

DESIGN ENGINEERING INC.

PERFORMANCE PRODUCTS



DESIGN ENGINEERING INC.

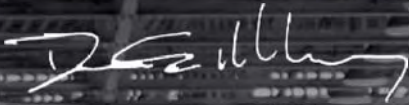
It is common to hear the term “growing pains” when people talk about their company succeeding. Granted growth can be challenging at times but here at Design Engineering we believe real pain would come from stagnant or negative growth. So we have chosen to continue down our path of growth. 2014 marks our 19th year in business and I’m proud to say that our company has grown each of these years. I do recall a year where it was very close to being a zero-growth year but after a call to our very first customer and great friend of the company an order miraculously arrived to get us over the magic number. Since that time we have realized double digit growth every year and are on pace to keep the trend alive this year.

Growth does not come without challenges. For example, we have run out of space and been forced to expand or relocate a total of 5 times now. You will never hear the words, “this is more space than we will ever need”, come out of my mouth ever again. The most recent space crunch happened suddenly with the success of our new Boom Mat line which forced us to increase inventory levels to meet demand. This meant renting 40 foot storage containers to act as temporary warehouses. Our parking lot looked like a ship yard as we went about designing and constructing an addition that more than doubles our footprint and triples our usable warehouse/production space. Was it a pain to go through the construction, dirt and traffic congestion? No, it was exciting to watch DEI double in physical size over a matter of 6 months.

Every year our growth goal gets ever larger. We have been able to keep up by investing in new and exciting products as well as expanding into new markets like 12 volt, powersports, aviation and marine. We believe that as long as we keep offering quality, useful products at a fair price and never forget that without the customer we are nothing, the sky is the limit for DEI.

As always we encourage open communication at all levels. Give us a call, you’ll be surprised to have a human answer the phone during business hours and if you have to leave a message after hours you’ll actually get a return call the next day. If you are currently a customer, thank you for your business. If you are considering doing business with Design Engineering we welcome the opportunity to serve you.

Please let us know how we can help you achieve your goals.



David Markley, President & CEO

DesignEngineering.com

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AUTOMOTIVE & RACING

Thermal performance parts to keep heat and sound under control to create more horsepower for your street rod, muscle car, import, or daily driver while greatly increasing driver comfort.



V-TWIN

Exhaust wraps, heat protection and line and hose sleeving to give your V-Twin more power and to protect your skin and engine components from damaging heat.



SPORTBIKE / METRIC

Fairing, engine and exhaust heat protection to give you more power and to protect expensive fairings, body panels gas tanks and engine components



ATV / UTV / OFFROAD

Exhaust wraps and extreme heat shielding to create more power, and to protect you and expensive body panels from exhaust and engine heat.



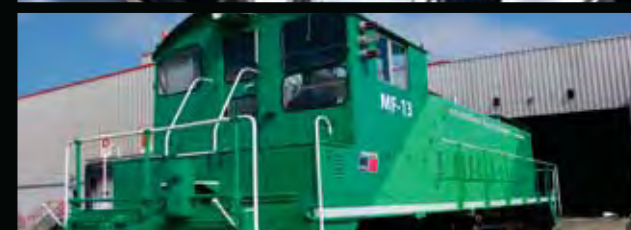
12V / AUDIO

The highest quality materials to give your vehicle or home audio system theatre-like sound.



INDUSTRIAL

Extreme heat shielding and reflective materials for high heat locations such as locomotives, furnaces, boilers, air compressor and generator boxes



MARINE

Reduce noise and heat for you and your passengers with heat barriers and reflective materials and reduce engine bay and hull noise with acoustic control



AERONAUTICAL

Control the noise and heat from airplanes engines and exterior body with light weight acoustic and thermal control products



Exhaust Wrap

An important first step in reducing unwanted and power-robbing under hood heat, is wrapping exhaust headers and downpipes. Less under hood radiant heat results in a cooler air charge for improved performance.

- Reduces under hood radiant heat up to 50%
- Decreases exhaust density & increases exhaust flow
- Improves horsepower
- Sewn-in guide lines for proper overlap
- Withstands 1200°F direct / 2000°F radiant heat

NOTE: Longer length rolls are available as a special order.

Tan Part #	Description
010101	1" wide x 50' roll
010102	2" wide x 50' roll
010103*	2" wide x 100' roll
010104*	6" wide x 100' roll
010105	1" wide x 15' roll
010106	2" wide x 15' roll
010109*	8" wide x 100' roll
010117*	1" wide x 100' roll

*Ships in non-retail packaging

Increases velocity & improves scavenging for more efficient heat extraction.

Lowers engine compartment and cockpit heat!

Don't forget the Stainless Steel Locking Ties and HT Silicone Coating on page 7!

Black Part #	Description
010107	1" wide x 50' roll
010108	2" wide x 50' roll
010116*	2" wide x 100' roll
010118*	1" wide x 100' roll
010120	1" wide x 15' roll
010121	2" wide x 15' roll

*Ships in non-retail packaging



TITANIUM™ Exhaust Wrap

TITANIUM™ Exhaust Wrap, with LR Technology, is made from pulverized lava rock, stranded into a fiber material then woven into a proprietary weave. Titanium wrap is engineered to be stronger than most wraps and more durable for improved thermal performance and reliability.

- Extremely pliable for a tight & secure wrap
- Withstands 1800°F direct / 2500°F intermittent heat
- Hi tech carbon fiber look
- Pre-wetting roll not necessary for wrapping
- High resistance to abrasions, temperatures, oil spills & vibration breakdown
- DEI HT Silicone Coating not required

Part #	Description	Part #	Description
010126	1" wide x 50' roll	010132*	2" wide x 35' roll
010127	2" wide x 50' roll	010130*	2" wide x 100' roll
010128	1" wide x 15' roll	010133*	1" wide x 100' roll
010129	2" wide x 15' roll	010134*	4" wide x 100' roll
010130*	2" wide x 100' roll	010135*	6" wide x 100' roll
010131*	2" x 25' roll		

*Ships in non-retail packaging



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EXHAUST WRAP ACCESSORIES 7



HT Silicone Coating™

Recommended for use with DEI non-Titanium Exhaust Wraps, HT SILICONE COATING™ penetrates, seals and protects as well as helping to extend the lifespan of exhaust wrap.

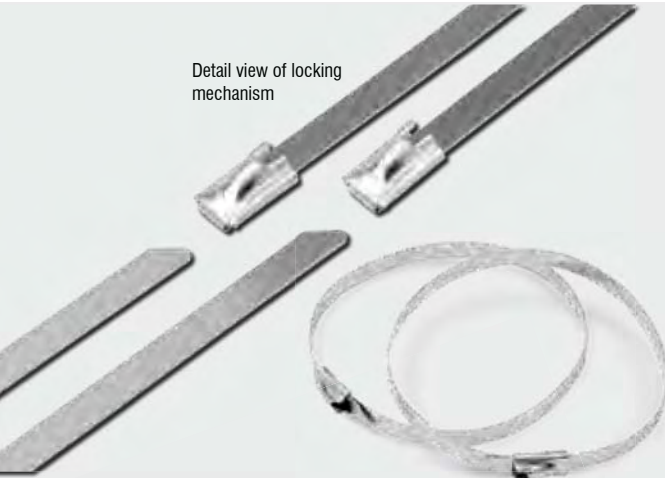
- Protection from abrasions, hot oil spills & road grime
- Heat protection up to 1500°F
- For use on exhaust wraps, engine blocks, pipes, manifolds & more
- 12 oz. can (6 cans in a case)

Part #	Description
010300	Assortment case-2 cans each (Black, Aluminum & White)
010301	Black
010302	Aluminum
010303	White



Also great for outdoor grills!

Detail view of locking mechanism



Stainless Steel Locking Ties™

STAINLESS STEEL LOCKING TIES™ are perfect for securing wrap to pipes with it's self-locking design. Locking Ties offer many other uses including bundling wires, hoses and other forms of insulation products. Just slide end into locking mechanism and pull tight.

- Constructed from high grade 304 stainless steel
- Capable of withstanding in excess of 2500°F
- 100lb tensile strength

Part #	Description
010201	8 inch (8 pack; 2" diameter bundle)
010202	14 inch (4 pack; 4" diameter bundle)
010203	20 inch (10 pack; 6" diameter bundle)

NOTE: Also available in bulk quantities



Stainless Steel Positive Lock Ties™

STAINLESS STEEL POSITIVE LOCKING TIES™ are designed for high heat applications. They are great for securing exhaust wrap or any place a high strength tie is needed. UV and corrosion resistant they will last for many years under severe use.

- Made from 316 stainless steel
- Tensile Strength. 5/16" 200 lbs. 1/2" 350 lbs.
- Capable of withstanding in excess of 2500°F

Part #	Description
010208	7mm x 9" (8 pack)
010209	7mm x 14" (4 pack)
010210	7mm x 20" (10 pack)
010211	12mm x 9" (8 pack)
010212	12mm x 14" (4 pack)
010213	12mm x 20" (10 pack)

NOTE: Also available in bulk quantities



EXHAUST HEAT PROTECTION

TITANIUM™ Pipe Shields™

DEI's TITANIUM™ PIPE SHIELDS™ combines the high heat tolerance of DEI's proprietary LR fiber technology with a unique rivet-based clamp shield design to improve heat dissipation and cooling. Glass fiber shields can begin to fail at 900°F with the Mylar outer material cracking and flaking off. DEI's Titanium Pipe Shield provides heat protection up to 1350°F.

LR fiber technology is a two-ply material. The outer layer is made from pulverized and stranded lava rock woven into a proprietary tight weave for durability and strength. The inside material is made of a special high temperature resistant fabric (89% silica) designed to withstand 350 degrees more heat than glass fiber.



NOTE: Includes 3.5" clamps for pipe diameters up to 3"

4" Widths
Part #
010453
010454

Description
4" x 8" Length
4" x 12" Length

6" Widths
Part #
010450
010451
010452

Description
6" x 12" Length
6" x 24" Length
6" x 36" Length



Speed Sleeves™

SPEED SLEEVES™ provide everything needed to cover and protect primary exhaust header pipes. An alternative to wrapping complete headers and ideal for spot protection from heat generating pipes and manifolds.

- Serves as an insulator and radiant heat barrier
- Quick & simple installation
- Includes 8" wide exhaust wrap, lock fasteners & Locking Ties
- Supplied wrap covers pipes up to 2-1/2" diameter

Part #
010114
010115

Description
4 & 6 cylinder
8 cylinder



NOTE: 12 ft. of wrap is included with 4 & 6 cyl. kits and 16 ft. included with 8 cyl. kit.

Exhaust & Pipe Wrap Kits

An all-in-one kit for wrapping a set of headers or motorcycle pipes. Automotive kit includes two 2" x 50ft rolls of exhaust wrap (Motorcycle kit: two rolls of 2" x 15ft); one can of HT Silicone Coating & Locking Ties.

Part #
010110
010111
010112

Description-Automotive Exhaust Wrap Kits
Black wrap w/Black HT Silicone Coating
Tan wrap w/White HT Silicone Coating
Tan wrap w/Aluminum HT Silicone Coating

Part #
010330
010331
010332

Description-Motorcycle Pipe Wrap Kits
Black wrap w/Black HT Silicone Coating
Tan wrap w/Aluminum HT Silicone Coating
Tan wrap w/White HT Silicone Coating



Pipe Wrap & Locking Tie Kits

Great for applications where you need spot heat protection! Use when headers are to close to plug wires, or sections of exhaust pipe that run close to body panels to reduce heat from entering vehicles interior!

Other great uses include:

- Turbo downpipes to improve velocity
- Motorcycle pipes to prevent leg burns

Kit includes one roll of 2" x 25' exhaust wrap & four 8" stainless steel locking ties to secure wrap.

Available in Black, Tan and Titanium

Part #
010119
010122
010123

Description
Black
Tan
Titanium



PLUG BOOT PROTECTION 9

Protect-A-Boot™

Made from a high temperature resistant glass fiber material and treated with a proprietary coating, PROTECT-A-BOOTS™ provide spark plug boot and wire protection from extreme under hood heat.

- Helps prevent burn-through, hardening & cracking of boots
- Non-flammable & protects against chemicals & resists water
- Universal-fits most straight or angled boots
- Withstands up to 1200°F of direct continuous heat
- Titanium up to 1800°F of direct continuous heat
- Double-wall construction for added durability

NOTE: In high heat situations where added protection is required, wrap headers with DEI Exhaust Wrap.



2-pack

Part #	Description
010501	Silver
010511	Black
010521	Red
010531	Blue
010541	Titanium
010503	Silver XL 8"
010561	Yellow
010571	Orange

8-pack

Part #	Description
010502	Silver
010512	Black
010522	Red
010532	Blue
010542	Titanium
010504	Silver XL 8"
010562	Yellow
010572	Orange

8" TITANIUM™ Protect-A-Boots™

TITANIUM™ spark plug boot protectors are the latest in thermal protection technology. Mined from lava rock, stranded and woven into a proprietary weave, Titanium Boot Protectors are engineered to withstand temperatures up to 1800°F of direct heat.

- Ultimate protection for spark plug boots & wires
- Strong, durable & long lasting construction
- Resistant to chemicals, abrasions & other contaminants
- Universal-fits most straight or angled boots - **Perfect for LS motors!**

2-pack
Part #
010543

8-pack
Part #
010544



Protect-A-Boot™ Sleeve

Same construction as PROTECT-A-BOOTS™ but with a wider I.D. to fit over extreme angle spark plug or distributor boots without the need to have to remove plug or distributor boots.

- Universal-fits multiple angled spark plug boots
- 1-1/4" I.D. at both ends
- Withstands up to 1200°F of direct heat
- Glass fiber double-wall construction

2-pack

Part #	Description
010551	Silver

8-pack

Part #	Description
010552	Silver





Protect-A-Wire™

Protect expensive spark plug wire sets from potential burning, cracking, and hardening typically caused by severe under hood heat. Easily installs on wire by removing distributor boot and sliding PROTECT-A-WIRE™ over spark plug wire.

- Constructed from high temp resistant glass fiber material
- Protects electrical wiring, speedometer cable, hoses & more up to 10mm diameter
- Capable of handling direct heat up to 500°F
- Includes DEI Hi-Temp Shrink Tubes

2 Cylinder Kit Contains:

7ft of line sleeving, 6 - Hi-Temp Shrink Tubes

8 Cylinder Kit Contains:

25ft of line sleeving, 25 - Hi-Temp Shrink Tubes

Color	2 Cylinder	8 Cylinder
Silver	010601	010602
Black	010611	010612
Red	010621	010622
Blue	010631	010632

Shrink Tubes / Spark Plug Wire / Boots

Perfect for sealing spark plug wires to boots at each end forming a water-tight weatherproof seal.

With a 3 to 1 shrink ratio, shrink tubes can be used to bundle wires as an alternative to tape or plastic ties.

- 3:1 shrink ratio
- Offers a clean & professional under hood look
- Easy to install using heat gun
- 25 tubes to a package
- Four colors to choose from

Part #	Description	Color
010800	18mm x 1-1/2"	Gray
010801	12mm x 1-1/2"	Gray
010810	18mm x 1-1/2"	Black
010811	12mm x 1-1/2"	Black
010820	18mm x 1-1/2"	Red
010821	12mm x 1-1/2"	Red
010830	18mm x 1-1/2"	Blue
010831	12mm x 1-1/2"	Blue



Protect-A-Boot™ & Wire Kit

Each kit includes everything needed to protect spark plug boots and wires from harmful under hood heat. Color matched PROTECT-A-BOOTS™, PROTECT-A-WIRE™ and HI-TEMP SHRINK TUBES™ are included for a professional finished look.

- Boots & sleeving are constructed from a high temperature resistant glass fiber material

2 Cylinder Kit Contains:

7ft of Line sleeving, 6 - Hi-Temp Shrink Tubes & 2 - Protect-A-Boots

8 Cylinder Kit Contains:

25ft of line sleeving, 25 - Hi-Temp Shrink Tubes & 8 - Protect-A-Boots

2 pack Part #	Color	8 pack Part #	Color
010701	Silver	010702	Silver
010711	Black	010712	Black
010721	Red	010722	Red
010731	Blue	010732	Blue





Aluminized Plug Wire Sheath™

ALUMINIZED PLUG WIRE SHEATH™ is constructed from high-temperature rated glass fiber material bonded to a heat reflective aluminized material. Plug Wire Sheaths are an inexpensive alternative for protecting specific areas on both ignition wire and boot locations from damaging heat generating sources.

- Other uses include protecting electrical wiring, hoses, cables & more
- Capable of withstanding 2000°F of radiant heat
- Inexpensive alternative for protecting ignition wires & boots

Part #	Description
010409	3/4" diameter x 6" long (4 pack)



Hi-Temp Shrink Tubes™

Professional grade military spec flexible polyolefin tubing provides excellent protection from dirt, dust, solvents, and foreign materials as well as providing strain relief. Over expanding tubing shrinks down to 33% of it's original diameter for a snug water-tight protective seal without reduction to it's original length.

- 3:1 shrink ratio
- Use to insulate wires, connections, terminals, wire splicing & more
- Operating temperature range: -67°F to 275°F
- Apply at 120°F to 180°F using heat gun

Part #	Description	Part #	Description
010832	9mm x 4ft	010837	3mm x 4ft
010833	12mm x 4ft	010838	6mm x 4ft
010834	18mm x 4ft	Kits	
010835	24mm x 4ft	010836	9,12,18 & 24mm x 2ft ea.
		010839	3, 6 & 9mm x 4ft ea.
Bulk Spools		Bulk Spools	
Part #	Description	Part #	Description
010854	3mm x 50ft	010851	12mm x 50ft
010855	6mm x 50ft	010852	18mm x 50ft
010850	9mm x 50ft	010853	24mm x 50ft

TITANIUM™ Protect-A-Sleeve™

We have taken our TITANIUM™ LR TECHNOLOGY™ and made it into the best protection sleeve on the market. Capable of withstanding temperatures up to 1800°F direct heat and 2500°F radiant it can protect your wires, lines and cables from damage. Available in 4' lengths and includes high temp heat shrink ends. The 1/2" ID will fit larger spark plug wires and protect them from hot exhaust manifolds and headers.

Part #	Description
010475	4ft x 1/2" ID



TITANIUM LR



Fire Sleeve & Tape Kit™

Constructed from a high temperature resistant braided glass material, woven into a sleeve and heavily coated with 100% iron oxide silicone rubber, FIRE SLEEVE™ provides the ultimate in heat insulation and protection from direct heat up to 500°F.

Each kit includes a 16-inch length of black FIRE TAPE™ to finish off ends of FIRE SLEEVE™ or when joining two FIRE SLEEVES™ together while presenting a clean and professional look.

- Insulates wiring, hoses, oil / brake / transmission lines & more
- Use for bundling & protecting hoses, electrical wiring etc.
- Withstands 2000°F of intermittent heat

Part #	Description (3 ft lengths)
010470	3/8" ID
010472	5/8" ID
010474	1" ID

NOTE: Each size is available in custom cut lengths up to 300ft.. Various diameter sizes are also available as a special order

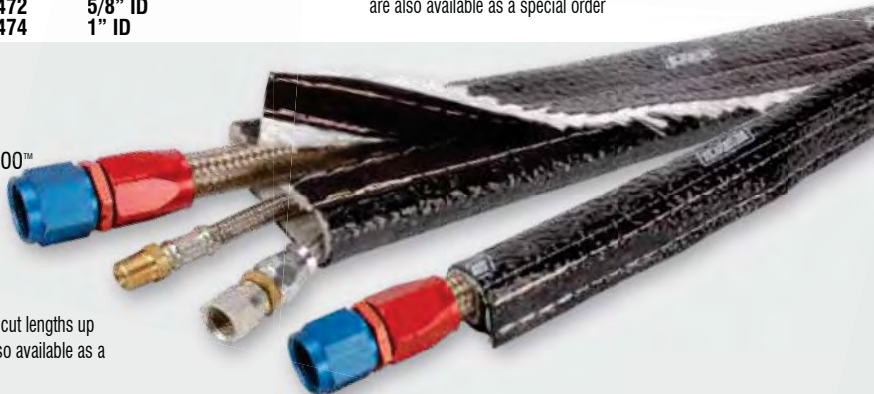
Fire Wrap 3000™

Constructed from the same material as FIRE SLEEVE™ but with the convenience of a hook & loop edge closure design. Simply wrap FIRE WRAP 3000™ around wires, cables or hoses without the need of disconnecting.

- Withstands direct heat up to 500°F
- Protects against oil, dirt, road grime & other contaminants
- Pliable enough to shape & fit tightest bends

Part #	Description (2 ft lengths)
010477	5/8" ID
010478	1" ID
010479	1-1/2" ID

NOTE: Each size is available in custom cut lengths up to 300ft.. Various diameter sizes are also available as a special order



Fire Tape™

FIRE TAPE™ is a multi use self-fusing tape that can be used to cover wires, seal temporary leaks, and much much more. Made of a non-adhesive silicone rubber, Fire Tape is waterproof, remains flexible, and does not leave a sticky residue after removal.

- Corrosion & moisture resistant
- 700 psi tensile strength
- Stretch & wrap application
- Permanent air/liquid tight seal

Part #	Description
010476	1" wide x 36ft



Heat Sheath™ Aluminized Sleeving

Designed to slide over wires, cables and hoses, HEAT SHEATH™ provides the ultimate protection from extreme heat as well as chemical and oil spills, dirt, grease and road grime. Constructed from a high temperature fabric and bonded to an aluminized material to reflect heat. Heat Sheath is fireproof and withstands direct heat up to 500°F.

- Pliable for tight bends
- Capable of withstanding 2000°F radiant heat
- Trim to desired length

Part #	Description (3 ft lengths)
010418	1/2" ID
010403	3/4" ID
010419	1" ID
010404	1-1/4" ID
010420	1-1/2" ID

NOTE: Each diameter is available up to 50ft. lengths. Other diameters are also available as a special order

Heat Shroud™

HEAT SHROUD™ is made from a high temperature rated glass fiber fabric with an aluminized outer facing. Same as Heat Sheath but with the added convenience of hook & loop closure design along the open edges. Without the need of removing one end of connected wires, cables and hoses, simply wrap Heat Shroud around whatever needs protection and close edges.

- Versatility of fitting diameters 1/2" to 1-1/4"
- Convenient hook & loop designed edges
- Withstands 500°F direct heat
- Fireproof, trim to desired length

Part #	Description
010405	1/2" to 1-1/4" diameters x 3 foot length

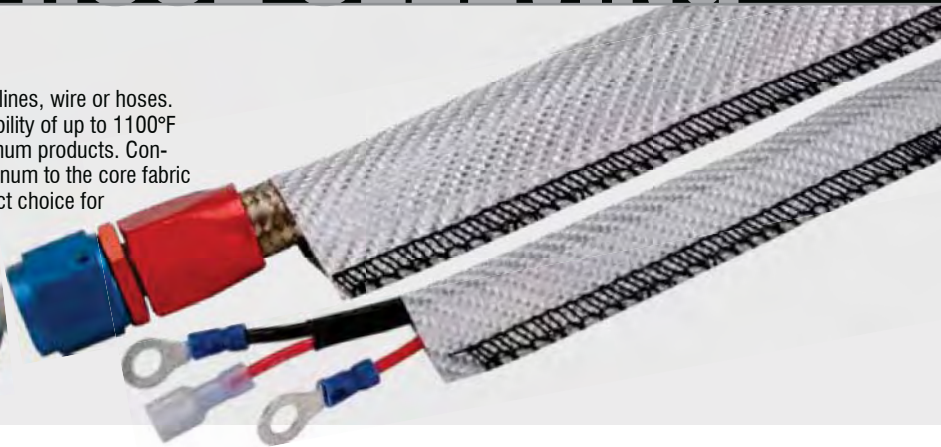


Ultra Sheath MA™

Designed to be the ultimate protection for your cables, lines, wire or hoses. ULTRA SHEATH MA™ has a higher sustained heat capability of up to 1100°F and is more flexible than standard foil or bonded aluminum products. Constructed from a process that impregnates molten aluminum to the core fabric giving it higher heat reflective properties. It's the perfect choice for tight high heat applications.

- Easy to trim to desired length
- Direct heat to 1100°F

Part #	Description
010230	1/2" ID x 3 ft
010231	1/2" ID x 15 ft



Spooled Line & Hose Sleevng

The same HEAT SHEATH™, HEAT SHROUD™, and FIRE SLEEVE™ line and hose heat and insulating products are also available in bulk length spools. Ideal for shop use and those retailers wishing to sell sleevng by the foot.



Part #	Heat Sheath Description	A
010403B50	3/4" ID x 50 ft	
010404B50	1-1/4" ID x 50 ft	
010418B50	1/2" ID x 50 ft	
010419B50	1" ID x 50 ft	
010420B50	1-1/2" ID x 50 ft	

Part #	Heat Shroud Description	B
010405B50	1/2" to 1-1/4" ID x 50 ft	

Part #	Fire Sleeve Description	C
010470B25	3/8" ID x 25 ft	
010472B25	5/8" ID x 25 ft	
010474B25	1" ID x 25 ft	

Cool-Tube™

Designed to provide the ultimate thermal protection from damaging heat, COOL TUBE™ is designed to resist abrasions, contaminants, and condensation. Cool Tube is covered with a heat resistant glass fiber fabric and pre-slit lengthwise eliminating the need to disconnect cables, hoses, wires or brake lines for an easy installation.

- Withstands direct heat up to 500°F
- Made from convoluted nylon 6 tubing-not plastic
- Reduces temperature by more than 40%

Part #	Description
010414	1/2" ID x 3 ft
010415	1/2" ID x 15 ft
010406	3/4" ID x 3 ft
010407	3/4" ID x 15 ft



Cool Tube Extreme™

Able to reflect continuous heat up to 750°F while offering a quality profession look, COOL TUBE EXTREME™ is flexible enough to conform to tight bends and provide superior protection against extreme under hood temperatures, weather conditions and abrasions. Made from a special composite material with a spiral wire reinforced, Cool Tube Extreme is ultra-light that can be slit lengthwise to apply to cables, wires and hoses.

- Trim to length
- Can be slit lengthwise for easy install
- Tough, durable with an easy to clean finish



		1/2" Dia.	3/4" Dia.	1" Dia.	1-1/4" Dia.	1-1/2" Dia.
Color	Length	Part #	Part #	Part #	Part #	Part #
Silver	3 ft	010421	010425	010429	010433	010437
Silver	9 ft	010441	010445	--	--	--
Red	3 ft	010422	010426	010430	010434	010438
Red	9 ft	010442	010446	--	--	--
Blue	3 ft	010423	010427	010431	010435	010439
Blue	9 ft	010443	010447	--	--	--
Black	3 ft	010424	010428	010432	010436	010440
Black	9 ft	010444	010448	--	--	--

NOTE: Each color and size can be special ordered in 15ft. lengths

TITANIUM™ Turbo Shields (GEN-II)™ NEW

Custom fit, re-engineered TITANIUM™ TURBO SHIELDS™ provide the ultimate means of reducing turbo lag and serve as a superior heat barrier. Made from pulverized volcanic rock, they can withstand direct heat up to 1800°F and 2500°F radiant heat. This means more heat in the turbine and less damaging underhood heat resulting in a boost in horsepower! Stronger and more durable than other turbo blankets or shields, Titanium Turbo Shields include a hi-temp rated silica insulation under the tight outer layer for extra protection against extreme turbo-generated heat. We have added a true riveted anchoring hook along with added seam protection to accommodate the higher horsepower levels of heat.

- Riveted anchoring hooks incorporated to secure shield
- Ultimate thermal barrier reduces turbo lag
- Hi-Tech custom carbon fiber look
- Double reinforced seams inside and outside

Turbine	Shield Only	Shield Kit
T3	010140	010141
T4	010144	010145
T6	010146	010147
T25/T28	010148	010149

NOTE: Available as SHIELD ONLY or in a KIT.
Each Kit Includes: Shield, 2" x 15ft. roll of Titanium wrap, Two 20" stainless steel zip ties & 5ft. of fastening wire



AFTERMARKET AND OEM TURBOS

MAKE	MODEL	NOTES	TURBO SHIELD	TURBO SHIELD KIT
Borg-Warner	S300	< = 14cm2 Turbine housing	T3 (010140)	T3 (010141)
	S300	> = 16cm2 Turbine housing	T4 (010144)	T4 (010145)
	S400		T4 (010144)	T4 (010145)
Garrett	GT35R	with T3 Turbine housing	T3 (010140)	T3 (010141)
	GT35R	with T4 Turbine housing	T4 (010144)	T4 (010145)
	GT37R		T4 (010144)	T4 (010145)
	GT42/GT45	a/r 1.01-1.4 for Tight Fit	T4 (010144)	T4 (010145)
	GT42/GT45	a/r 1.01-1.4 for Loose Fit	T6 (010146)	T6 (010147)
	GT47	~3" short on Length	T6 (010146)	T6 (010147)
Precision, TiAL, Turbonetics		All with T3 V-Band	T3 (010140)	T3 (010141)
Mitsubishi		MHI TD04/TD05 Turbochargers-Internal Gate (Talon, Eclipse, Laser)	T25/T28 (010148)	T25/T28 (010149)
		MHI TD04/TD05 Turbochargers-Internal Gate (Impreza WRX, STI)	T25/T28 (010148)	T25/T28 (010149)
Subaru		IHI VF39/VF43 Turbochargers-Internal Gate (Impreza WRX, STI)	T25/T28 (010148)	T25/T28 (010149)

OEM DIESEL TRUCK APPLICATIONS

MAKE	YEAR	ENGINE	TURBO	TURBO SHIELD	TURBO SHIELD KIT
Dodge	1994 - 2002	5.9L Cummins	Stock Holset	T3 (010140)	T3 (010141)
	2003 - 2007	5.9L Cummins	Stock Holset	T3 (010140)	T3 (010141)
	2007½ - 2010	6.7L Cummins	Stock Holset	T4 (010144)	T4 (010145)
Chevy/GMC	1993 - 1999	6.5L Turbo Diesel	Stock IHI	T25/T28 (010148)	T25/T28 (010149)
	2001 - 2004	LB7 6.6L Duramax	Stock IHI	T3 (010140)	T3 (010141)
	2004½ - 2010	LLY, LBZ, LMM 6.6L Duramax	Stock Garrett	T4 (010144)	T4 (010145)
Ford	2003 - 2007	6.0L Power Stroke	Stock Garrett	T4 (010144)	T4 (010145)

Gasket Solution™

Originally developed for the turbo market. This product seals metal on metal gaps up to .050". GASKET SOLUTION™ cures under normal turbo heat in 3-4 minutes. Applications include manifold to hot housing, manifold to wastegate, and hot housing to downpipe. Withstands 2000°F in gasoline applications.

Part #
090400

Description
Gasket Solution 14oz.



Turbo Insulation Kit

Turbo Insulation Kits are designed to fit all turbochargers to reduce turbo lag and underhood temperatures allowing for a cooler air charge for more horsepower while protecting engine components from damaging heat.

- Universal-designed to fit all turbo turbine housings
- Helps reduce turbo lag
- Protection up to 1200°F



NOTE: Kit includes: 12" x 36" turbo blanket material, two (2) 14" and two (2) 20" stainless steel Locking Ties, one (1) 2" x 25 ft roll of Tan down pipe wrap & 6" w x 3ft. piece of glass fiber matting

Part #
010113

Description
Turbo Insulation Kit



800.264.9472

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Versa-Shield™ / Starter Shield

VERSA-SHIELD™ was designed to protect starters from potential failure caused by under hood heat soak conditions. Constructed using an aluminized heat reflective material backed with a hi-temp rated glass fiber insulation barrier, Versa-Shield is capable of reflecting radiant heat up to 2000°F.

- Universal-trim to desired size
- Edges attach to itself with hook & loop closure design
- Withstands direct heat up to 500°F
- Multiple uses to protect master cylinders, cool cans, distributors, fuel pumps & more
- No need to remove starter for installation in most cases

Part #
010402

Description
Versa-Shield 24"L x 7"W

NOTE: Can be trimmed to fit
3.5 to 8 inch diameters

Ultra Shield MA™ / Starter Shield

Designed for severe duty use, our new ULTRA SHIELD MA™ offers the highest level of protection. Constructed of two layers of material, a highly reflective outer layer combined with a high heat inner layer. Able to withstand direct heat of up to 1350°F, Ultra Shield MA is the perfect choice for EXTREME high heat applications where engine heat soak is a problem.

- 24"L x 7"W size
- Hook & loop fastening system
- Length can be trimmed to size

Part #
010235

Description
Ultra Shield MA 24"L x 7"W



Cell Saver™ / Battery Insulation Kit

Batteries are very susceptible to heat and vibration that could cause premature failure and hazardous leaks. CELL SAVER™ is very capable of damping vibration and will absorb and neutralize any damaging leaky battery acids. Cell Saver is easy to install and excess material can be trimmed to accommodate most battery sizes and shapes.

- Protects batteries from harmful radiant heat & vibration
- Material withstands up to 2000°F radiant heat
- Traps & neutralizes harmful battery acid
- Protects environment & your vehicle
- Completely safe to handle before & during installation
- Provides clean finished look with easy installation

Part #
010480

Description
Battery Insulation Kit

NOTE: Includes 40" long x 7" insulation material,
12" x 7" treated base mat and edge sealing tape

Cool Cover™ / Air Tube Cover Kit

COOL COVER™ is designed to prevent air tubes from becoming heat sinks. Made of heat treated glass fiber with a reflective coating, Cool Cover will reflect radiant heat from air tubes and promotes a cooler, denser, more powerful air charge. With a unique full length hook & loop closure design, Cool Cover can be removed in seconds without the need of any hand tools.

- Reflects heat from air tubes
- Promotes cooler air charge for added power
- Installs & removes in seconds for show or go
- Fits up to 4-1/2" diameter tubing

Part #
010417

Description
Air Tube Cover Kit

NOTE: Includes 36" x 14"
insulation material, 2" x 24" strip
of heat reflective sealing tape



HEAT & SOUND BARRIER



Floor & Tunnel Shield II™

Heat & Sound Insulation

Designed to withstand direct temperatures up to 1750°F, FLOOR & TUNNEL SHIELD-II™ is the ultimate solution to block radiant heat from entering a vehicles interior, protect under hood components and is also capable of insulating against unwanted road noise. Floor & Tunnel Shield is constructed from 10 mil aluminum bonded to a finely woven layer of high temperature resistant glass fiber.

- Excellent heat & sound barrier
- Minimum clearance required, only 3/16" thick
- Aggressive self-adhesive backing holds past 450°F
- Wind and water will not affect adhesive
- Easily shape, trim, peel & stick
- Sticks to fiberglass

Part #	Description
050501	2 ft x 21" (3.5 sq ft)
050502	4 ft x 21" (7.0 sq ft)
050503	4 ft x 42" (14.0 sq ft)

NOTE: DEI Cool Tape is suggested for sealing Floor & Tunnel Shield-II edges and seams

Heat Screen™

Aluminized Mylar Radiant Matting

HEAT SCREEN™ is an excellent method for reflecting unwanted heat from areas and surfaces needing protection. With a thickness of only .060 inches, Heat Screen requires minimal clearance and is capable of withstanding 2000°F of radiant heat. Ideal for protecting body panels, floor boards, gas tanks, fairings and for use under carpeting to name a few. Uses include race vehicles, marine, truck, SUV's, RV's, aviation and industrial applications.

- Excellent protection for painted surfaces
- Can be secured with adhesive or fasteners
- Withstands 1200°F of direct heat
- Trim to desired size

Part #	Description
010401	36" x 40" (10 sq. ft.)



Heat Screen™ w/Adhesive

Adhesive Backed Aluminized Mylar Radiant Matting

HEAT SCREEN™ with adhesive can withstand 2000°F of radiant heat and 1200°F of direct heat making it the perfect choice to protect from heat penetration or damage. We have applied our Hi-Temp adhesive for you making installation fast and simple.

- Backed with high temp pressure sensitive adhesive
- Heavy weight fiber glass with Mylar face
- Flexible & easy to install

PEEL & STICK!

Part #	Description
010400	36" x 40" (10 sq. ft.)



Under Hood™ Thermal Acoustic Lining

UNDER HOOD™ Thermal Acoustic Lining was designed primarily for engine compartments as a way to greatly reduce heat and noise with a simple and easy peel and stick application. Made of 3/4" thick, high quality, industrial acoustical grade foam with a reinforced reflective aluminum covering, Under Hood Thermal Acoustic Lining not only insulates the underside of hoods but serves as a sound deadener and thermal control barrier while protecting paint finishes.

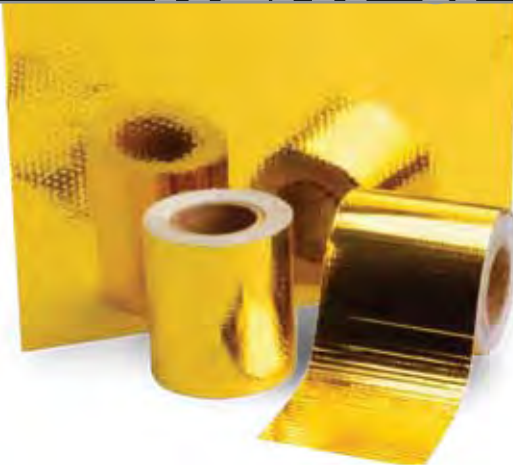
- Insulate from heat while reducing noise & vibration
- Self adhesive - Peel & stick application
- Protects paint finishes
- Resists oil, water & contaminants
- 3/4" thick • Temp range: -45°F to 275°F

Part #	Description
050510	32" x 54" (12.0 sq ft)



800.264.9472

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Reflect-A-GOLD™

REFLECT-A-GOLD™ is a metalized polyamide polymer laminated glass cloth with a high temperature pressure sensitive adhesive for use in extreme temperature swing environments. It is lightweight and easy to apply and remove.

- For firewalls, bulkheads, engine covers, floors, seat bottoms & more
- Capable of handling continual temperatures up to 850°F
- Resists UV degradation for long-term performance
- Adhesive protected by a release liner rated up to 325°F
- Light weight & flexible-Trim to size

NOTE: Available in custom cut lengths in widths up to 24"

Part #	Description	Part #	Description
010390	24" x 150 ft Roll	010394	1-1/2" w x 15 ft Roll
010391	12" x 12" Sheet	010395	1-1/2" w x 30 ft Roll
010392	12" x 24" Sheet	010396	2" w x 15 ft Roll
010393	24" x 24" Sheet	010397	2" w x 30 ft Roll

Heat Resistant Sealant

Developed by Dow Corning® for extreme-duty aerospace applications, Heat Resistant Sealant bonds to almost all surfaces and an ideal method of encapsulating and protecting applications where parts must perform at high temperatures. Unlike other sealants, Heat Resistant Sealant will not sag or run on overhead or on side wall applications.

- For use with fiberglass, metal, wood, rubber, plastic & more
- Withstands continuous temps up to 500°F / 600°F intermittent
- Made from 100% silicone & remains flexible
- Peel strength of 20 lbs.

Part #	Description
010410	3 oz. Tube (w/application nozzle)



Reflect-A-Cool™

REFLECT-A-COOL™ offers high heat reflectivity to protect temperature-sensitive components and materials against heat damage and hot spots. Made of an aluminized reflective foil, backed with a base layer of glass fiber, it is able to withstand continuous temperatures of 400°F.

- Protect wires, cables, hoses, pipes & tubing from radiant heat sources
- Self-adhesive backing with release liner
- Radiant heat protection up to 2000°F
- Moisture & solvent resistant

Part #	Description
010412	36" x 48"
010460	12" x 12"
010461	12" x 24"
010462	24" x 24"

NOTE: Available in custom cut widths up to 36" and lengths up to 200 yards



Hi-Temp Spray Adhesive

Hi-Temp Spray Adhesive provides high strength adhesion and bonds a wide variety of materials, including trims, foams, fabrics and more. It has a specially designed three-way adjustable valve allowing the user to select the spray pattern that best suits the job.

- Dries quickly & clear
- Forms a water-resistant bond
- High temperature resistant up to 160°F (71°C)
- High bonding strength for many materials

Part #	Description
010490	10 oz. can (12 per master carton)

NOTE: Ideal for adhering DEI Heat Screen (part # 010401) and various Boom Mat under carpet products



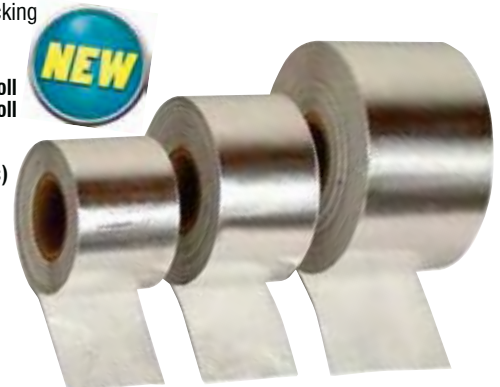
Cool Tape™

COOL TAPE™ is a flexible and super strong self-adhesive thermal insulating tape capable of protecting up to 2000°F of radiant heat. Made of one mil aluminized material bonded to a woven glass fiber heat resistant matting, Cool Tape is a ultra light weight heat reflective solution for wrapping wires, cables, hoses, fuel lines, covering seams and many other uses.

- Withstands direct heat up to 400°F
- Use to secure panels, seal air boxes, wrap wiring & more
- Strong self-adhesive backing

Part #	Description
010408	1-1/2" x 15 ft roll
010416	1-1/2" x 30 ft roll
010468	2" x 30 ft roll
010413	2" x 60 ft roll (Cool Tape Plus)

NOTE: Perfect for giving Reflect-A-Cool, Heat Screen and Floor & Tunnel Shield-II a finished edge look!



Quick Fix Tape™

QUICK FIX TAPE™ bonds to itself and forms a waterproof permanent seal. It's ideal for emergency hose repairs, non-slip grip surface for tools, electrical splices and connections and a temporary leak sealer are among its many uses and does not leave a sticky residue after removal.

Extruded from a special high performance grade silicone compound and engineered at 700psi tensile strength with insulating capabilities up to 8,000 volts, Quick Fix Tape stretches to three times its length for a simple stretch and wrap application. The triangular profile of the tape (the center is thicker than the edges) provides a smooth edge where the overlap of the tape occurs.

- Withstands temperatures from -65°F (-54°C) to 500°F (260°C)
- Seal ends of hoses, bundle & wrap wires, weatherproof connections & more
- Can be applied to wet surfaces
- Corrosion & moisture resistant
- Permanent air / liquid tight seal
- Resists solvents, oils, fuel, acids & chemical spills

(1" wide x 12 ft rolls)

Part #	Description
010491	Black
010492	Red
010493	Blue
010494	Yellow
010495	Gray



Speed Tape™

SPEED TAPE™ has multiple uses including race applications, temporary damage repairs and taping body seams to name a few. Speed Tape tears straight and easy every time and available in eight colors as well as the popular checker-board pattern.

- 2"x 90ft. Rolls (Checker-board 2"x 45ft.)

Part #	Color	Part #	Color
060101	Black	060105	Yellow
060102	White	060106	Purple
060103	Red	060107	Green
060104	Blue	060108	Orange
060202	Checker-board		

NOTE: Also available in a countertop 18 roll display pack (Part # 060100 page 54)



LED - Lite'N Boltz™ License Plate Lighting Kits

LED License Plate Lighting Kits with their right-angle LED, are extremely efficient and emit a much higher degree of light in a desired location than incandescent lamps. Since there's no filament that can be damaged, LEDs are incredibly durable-virtually shock and vibration-proof.

- Meets legal requirements without compromising great looks
- Made of high-grade stainless steel
- Offer superior lighting
- Clear epoxy covered lens-waterproof protection
- Lights instantly • .30MA current, 0.36 watts
- Perfect for license plate relocation projects

Part #	Description
030301	Satin License Plate Kit Dome Head (4-pc.)
030302	Satin Dome Head (2-pc.)
030309	Polished License Plate Kit Dome Head (4-pc.)
030310	Polished Dome Head (2-pc.)
030311	Polished Acorn Shape Head (2-pc.)



LED - Lite'N Boltz™ Accent Lighting

LED Lighted Button Head Bolts, with hex head opening, can be used anywhere accent lighting is desired. There are countless applications for accent lighting including hot rods, street rods, motorcycles, boats, ATVs, RVs, personal watercraft, pick up trucks, 4x4's, 18-wheelers and even industrial applications.

12-Volt Lighted Button Head Bolts contain:

- Two 5/16" x 3/4" lights per package
- High grade stainless steel
- 9/16" outside diameter of button head
- Six vibrant colors



Part #	Color	Part #	Color
030303	White (2-pk)	030306	Green (2-pk)
030304	Red (2-pk)	030307	Blue (2-pk)
030305	Amber (2-pk)	030308	Purple (2-pk)





Hub & Rotor Cover

Protection from hot brake drums and rotors

- Prevents potential of serious burns or cuts
- Aluminized mylar adhered to fiberglass matting
- Withstands 2000°F radiant / 500°F of direct continuous heat
- Protection against dirt, dust and airborne particles around track or shop
- Measures 14" L x 7" W x 13" H

Part # 010485 **Description** Hub & Rotor Cover

Pit Crew Safety Kit

Protective eyewear, ear plugs and sleeving.
Kit Includes:

Safety Glasses

- Wrap-around style
- 100% UV protection
- Scratch resistant clear lenses

Ear Plugs

- Single-size fits all
- Noise Reduction Rating of 25 dB
- Attached with a breakaway cord

Safety Sleeve (18")

- Made of Kevlar™
- Superior cut, slash and heat resistance
- Thumb-hole sleeve extends past wrists
- Protects to 900°F

Part # 070540 **Description** Pit Crew Safety Kit

The following are available separately:

Part # 070520 **Description** Safety Sleeve (single)
Part # 070521 **Description** Safety Sleeve (pair)
Part # 070530 **Description** Ear Plugs



Dyno Strap Heat Guard

- Protect dynamometer tie-down straps from burn-through caused by exhaust exit heat
- Made of a hi-temp resistant aluminized mylar material
- Withstands 500°F direct / 2000°F radiant heat
- Easily slips over dyno tie down strap
- 36" long x 5" wide

Part # 010466 **Description** Dyno Strap Heat Guard



Safety Glasses

Black-frames with impact resistant lenses, wrap-around style protective eyewear meets ANSI Z87 general purpose requirements offering 100% UV protection, scratch resistant and available in three different color lenses.



Part # 070510 **Description** Clear lenses
Part # 070511 **Description** Yellow lenses
Part # 070512 **Description** Smoke lenses



LED Lite'N Boltz™ Plan-O-Gram

Combining both License Plate and Lighted Button Head Bolt lighting kits, this display features the nine fastest moving 12-volt LED part numbers.

- Universal applications-multiple uses
- Includes display header card
- Display measures 9-1/2" L x 24" H (w/ header card)

Part # 030100 **Description** LED Lite'N Boltz Plan-O-Gram

Sunglass Display

Clear acrylic display comes pre-loaded with 12 pairs of DEI sunglasses in three different styles with a racing theme flame design on each temple.

- Display measures only 12-1/2" L x 5" W x 19" H
- See page 53 for sunglass styles

Part # 070211 **Description** Acrylic Sunglass Display



Radiator Relief™

High Performance Coolant Additive

All RADIATOR RELIEF™ coolant additives are specially formulated to reduce the bubbles that form on hot metal surfaces, such as cylinder heads, known as surface tension. Radiator Relief improves and accelerates the coolant transfer from the engine to the radiator while reducing cavitation and scaling.

RADIATOR RELIEF™ is an excellent method of treating cooling systems as a preventive step to help avoid overheating, electrolytic (electrolysis) and chemical corrosion and is compatible with all coolant additives and anti-freeze mixtures. Both an anti-foaming agent and corrosion inhibitor which balances the negative acidic effects that can develop over time are also included. Radiator Relief is also safe to use with all types of radiator materials including cast iron, copper, brass and aluminum.



Radiator Relief™

- Reduces engine temps up to 30°F
- Includes anti-foaming agent
- Corrosion inhibitor
- Reduces pre-existing scale build-up
- Compatible with all types of anti-freeze products

Part # 040200 **Description** 16 oz. bottle



Radiator Relief Diesels™

- Blended for extreme use
- Decrease coolant temp up to 30°F
- Concentrated for larger systems
- Quicker warm-up
- Helps reduce engine wear

Part # 040204 **Description** 16 oz. bottle



Radiator Relief Heater Hotter™

- Accelerates transfer of heat from engine to heater core
- Improves engine warm-up time by 50%
- Safe with all types of anti-freeze
- Helps reduce engine wear

Part # 040206 **Description** 16 oz. bottle



Radiator Relief Chill Charger™

- Prevents core corrosion, and mineral build up
- Maximizes thermal transfer to lower air intake temps
- Add to intercooler water
- Non-toxic and environmentally friendly

Part # 040208 **Description** 16 oz. bottle



Radiator Relief Flush™

- Removes rust deposits
- Dissolves oily residue
- Restores cooling system efficiency
- Simple to use
- 100% biodegradable

Part # 040202 **Description** 16 oz. bottle



Radiator Relief Track Time™

RADIATOR RELIEF™ supercharges your radiator by transferring heat more efficiently through the radiator. Similar to the original formula this proven coolant additive will reduce your operating temperature up to 30°F reducing engine wear that occurs during extreme use. New Clear formula designed for track and racing use. Radiator Relief™ is also formulated with a corrosion inhibitor that reduces mineral deposits. This is the first additive that maintains pH levels that otherwise fluctuate over time resulting in core damage.

- New Clear "Motorsports" Formula
- 32 oz. size for all types of vehicles
- 4 oz. size (See page 38) for motorcycles and ATV's
- Reduces engine temperature up to 30°F
- Includes anti-foaming agent
- No mixing required; just add to cooling system!
- Safe with all alloys
- Compatible with water & all types of anti-freeze products
- 100% Biodegradable, Non-Corrosive & Non-Toxic Additive

Part # 040104 **Description** Radiator Relief 32oz



Radiator Relief & Flush™ Assortment Pack

Includes attention grabbing full color shelf talker.

- 4 Bottles each of:
- Radiator Relief
 - Radiator Relief Flush
 - Radiator Relief for Diesels

Part # 041210 **Description** 12-pack

Compact point-of-purchase display!!





THE POWER OF COOL

CryO²™ is a revolutionary product designed to reduce air and fuel temperatures thus creating more power. Through the science of aerodynamics and cryogenics, Design Engineering has developed a system to harness the cryogenic properties of liquid CO₂ to lower the intake charge temperature by up to 50°F.

The system is modular and can be easily expanded. The CryO² system provides two methods for cooling the air charge and one for cooling fuel, all utilizing the same burst of liquid CO₂.

The Power of COOL - Welcome to the future of power.

*CO₂ is readily available at welding shops, medical supply locations, or at paint ball filling stations.



Fittings and hardware included for multiple mounting options

CryO²™ Intercooler Sprayer

CryO²™ Intercooler Sprayers mount directly to the front of air-to-air intercoolers or aftercoolers and serve as a way to vent the liquid CO₂ directly on to the cooling fins thus enhancing the performance of the intercooler by more than 50% eliminating intercooler heat soak. This component must always be the last in the CryO² system as it vents the liquid CO₂ charge.

Part #	Description
080130	Front Mount – 16" x 5"
080131	Front Mount – 8" x 4"
080132	Flat-Top Mount – 16" x 5"
080133	Flat-Top Mount – 8" x 4"
080134	Front Mount – 19" x 9"

CryO²™ Intercooler Sprayer Kit

- Enhances intercooler thermal transfer ability
- Lowers air temperatures by as much as 35%
- Improves intercooler efficiency by as much as 50%
- Non-injectable system - Ability to run more boost safely
- Straight forward easy bolt on installation
- CO₂ is less expensive to refill than nitrous

Kit includes:

- 10 lb. tank & brackets
- Cryogenic solenoid valve
- 14 ft. stainless steel braided supply line
- Arming, activation, & WOT switches
- All necessary CO₂ fittings & electrical hardware
- 16" x 5" front-mount intercooler sprayer & hardware

Part #	Description
080108	CryO ² Intercooler Sprayer Kit



CryO²™ Tank & Installation Kit

The foundation of every CryO²™ system
Each kit includes (with or without tank):

- 5 or 10 pound CO₂ tank
- Tank mounting brackets (10lb Dia. Max 7.375" - Min. 6.875")
- Cryogenic solenoid valve
- 14 ft. stainless steel braided supply line
- Arming, activation, & WOT switches
- All necessary CO₂ fittings & electrical hardware

NOTE: Kit necessary to utilize CryO² components.
Only one kit is needed to operate all components

Part #	Description
080100	5 lb. Tank and Installation Kit
080101	5 lb. Spare Tank
080102	10 lb. Tank and Installation Kit
080103	10 lb. Spare Tank
080105	10 lb. Installation Kit Only (without tank)
080106	5 lb. Installation Kit Only (without tank)

NOTE: • 10 lb. tank: 6-3/4" Dia. base, 20" tall
• 5 lb. tank: 5-1/4" Dia. base, 17-1/2" tall

CryO²™ / Air Intake

Patented* CryO²™ Air Intake consists of an aerodynamically designed bulb with a cryogenic chamber mounted in a short segment of air tube. Air is cooled as it passes over the bulb, resulting in a cooler, denser, more powerful intake air charge. Testing showed up to a 50°F reduction in intake air temperature.

- Designed for turbocharged, supercharged, & N/A applications
- Multiple units increase results
- Easy installation
- Large 4 1/2" O.D. for Diesel & hi-power applications
- Complete with silicone coupler, hose clamps, vent cap, and braided line

Part #	Description
080110	Air Intake - 3" O.D.
080111	Air Intake - 2-1/2" O.D.
080112	Air Intake - 4" I.D. / 4-1/2" O.D.
080117	Air Intake Bulb - 1-3/4" I.D. (w/legs only-no hose)
080119	Air Intake Bulb - 1-1/4" I.D. (w/legs only-no hose)

* U.S. Patent Number: 6,675,781



CryO²™ / Fuel Chilling System

The CryO²™ Fuel Chilling System takes fuel chilling to the next level! More effective than "Cool Can" devices. Utilizes CO₂ for cooling, not ice. Internal tube/baffle design maximizes surface area, complete with -4AN fuel fittings, mounting brackets, & hardware.

Part #	Description
080125	Fuel Chilling System



CryO²™ / Intercooler Water Sprayer Kit

- Universal kit designed for all air to air I/Cs & heat exchangers
- Use with or without CryO²™ Intercooler Sprayers
- Light-weight construction
- 1.25 quart capacity
- Complete kit including all hardware & instructions

Part #	Description
080140	Intercooler Water Sprayer Kit

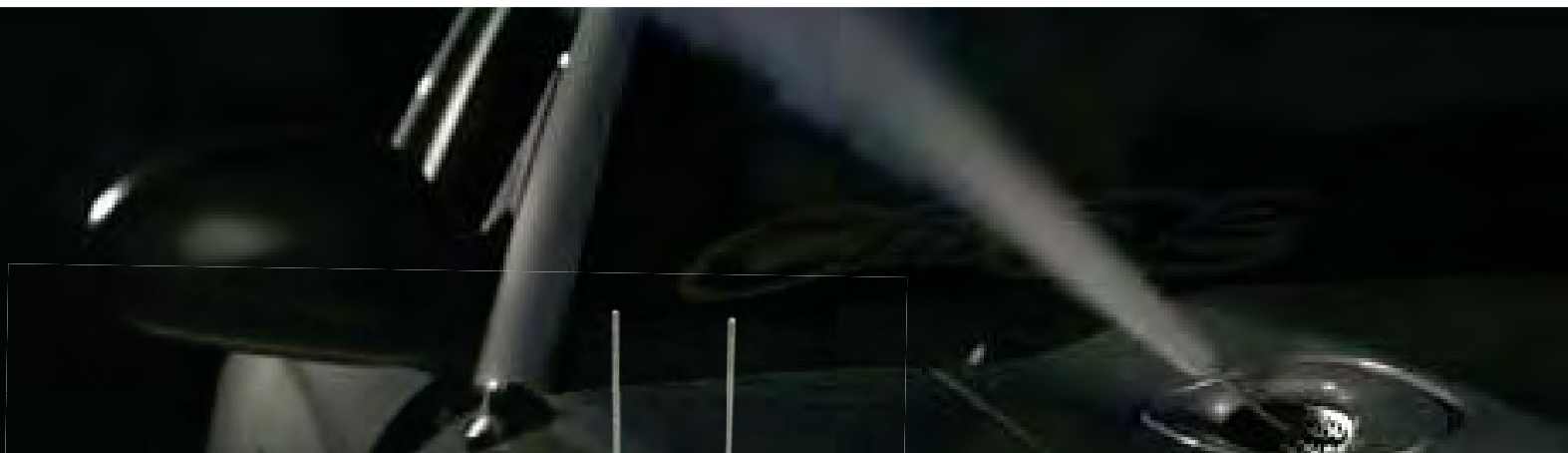




CryO²™ / Adjustable Timer Switch

- Control the flow of CO₂ & extend bottle life
- Separately adjustable on time/off time controls
- 0.2 to 30 second adjustable duration range
- Includes Timer Switch, wiring, connection terminals, & installation instructions.

Part #	Description
080203	Adjustable Timer Switch



CryO²™ -Purge Kits

A purge blast of CO₂ will turn heads, command attention and crank up the "wow" factor a few notches. Some suggested mounting locations for a CryO²™ single or Dual Purge Valve include hood scoops, front grill, air vents and fender wells – anywhere inquisitive spectators will be sure to appreciate a new and different "cool" experience.

Each kit includes:

- Pre-assembled purge tubes
- Solenoid valve & fittings
- Stainless steel braided hose

Part #	Description
080300	Single Purge Vent (Assembled Tube Only)
080301	Dual Purge Vent (Assembled Tubes Only)
080302	Complete Single Purge Kit (w/ hose & solenoid valve)
080303	Complete Dual Purge Kit (w/ hose & solenoid valve)

CryO²™ Components

Part #	Description
080107	Tank Nut & Nipple to Male 4AN Assembly
080135	Line Splitter (for dual IC sprayers or purges)
080200	Cryogenic Solenoid Valve
080201	Stainless Steel Braided Hose 14'-4AN f
080202	Stainless Steel Braided Hose 2'-4AN f & 1/8 NPT m
080204	Stainless Steel Braided Hose 1'-4AN f & 1/8 NPT m
080205	Stainless Steel Braided Hose 3'-4AN f & 1/8 NPT m
080206	Stainless Steel Braided Hose 5'-4AN f & 1/8 NPT m
080216	"Y" block 1/8 NPT female all
080230	Full Wide Open Throttle Switch Kit
080231	Full WOT Switch Bracket
080232	Push Button Switch
080240	5 lb. Tank Mounting Bracket – short
080241	5 lb. Tank Mounting Bracket – tall
080242	10 lb. Tank Mounting Bracket – short
080243	10 lb. Tank Mounting Bracket – tall
080250	Silicone Connector Sleeve - Blue 2.5" ID
080251	Silicone Connector Sleeve - Black 3" ID



NY-TREXTM NITROUS

NY-TREXTM delivers a unique and progressive approach to the advancement of nitrous technology. We questioned every aspect of nitrous delivery, wiped the slate clean, and set out to reinvent nitrous technology.

Quality is the primary element of NY-TREXTM nitrous systems and components. Ny-Trex uses only the finest materials including: powder coated bottles, chrome plated Hi-Flo bottle valves, billet nozzles & plates, and solenoid valves with an exclusive lifetime warranty.

Innovation is the key to successful product development and design. NY-TREXTM is focused on changing the nitrous market with products that make sense in both form and function. Our innovations are what differentiates Ny-Trex from the competition.



Triple-Threat™ Camaro 5 (2010-up*) V6 EFI Wet Nitrous System

When the 2010 Camaro V6 was announced, automotive enthusiasts were excited and encouraged. Its styling and horsepower rating (over 300hp) were necessary to give the Camaro V6 credible placement in a demanding market. The engineers at GM were successful and their effort is much appreciated!

Some time has passed since the new Camaro was introduced, and enthusiasts want more out of this modern pony car. DEI has the solution! With the NY-TREX™ TRIPLE-THREAT™ wet nitrous oxide system, up to an additional 100hp is just a spray away. This system is specifically designed for the new Camaro V6. With exception to mounting the bottle, drilling, cutting, and wire splicing is eliminated. Intentionally designed around the Ny-Trex Triple-Threat Valve, this system includes a v-spray purge not found in competitor's kits. All hardware is custom fabricated for this application and wiring is tailored for a clean and easy installation.

Special Features

- Easily concealed system
- Custom brackets, no fabrication
- Application-specific spray-plate
- No cutting or drilling (Except for mounting bottle brackets)
- Plug & Play wiring, no cutting/splicing
- Triple-Threat Solenoid Valve System w/Lifetime Warranty

Part #
110028

Description
Triple-Threat™ Camaro 5 (2010+*)
V6 EFI Wet Nitrous System

Triple-Threat Valve, Purge, Fuel Safety Switch, 10lb Bottle, Pressure Gauge, Spray-Plate, Single Nozzle, Mounting Hardware, 35, 50, 75, & 100hp jetting

*Call for current application





Wet Nitrous Systems

NY-TREX™ is proud to offer 4, 6, 8 and 10 Cylinder Wet Nitrous Systems. Ny-Trex uses only the highest quality materials and components to produce the best performing, best looking, and most reliable wet system around.

NY-TREX™ systems have been thoroughly dyno-tested on numerous vehicles to ensure the most safe and reliable performance possible.

Special Features

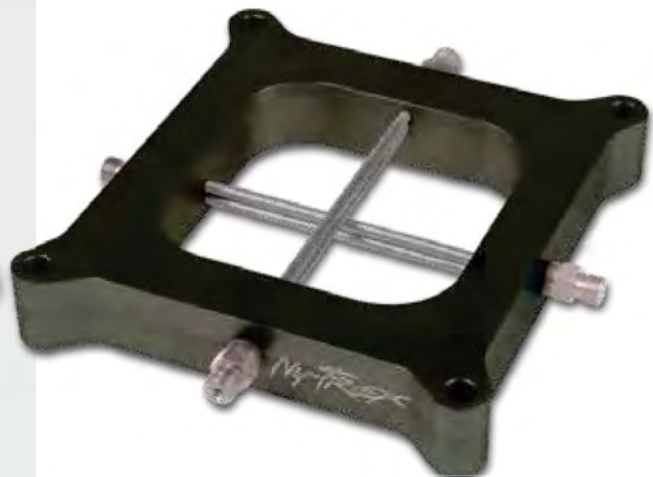
NY-TREX™ Wet Nitrous Systems are the most complete systems on the market today. Designed with the enthusiast and installer in mind, our systems feature:

- Precision-machined components with durable & attractive construction
- Braided stainless steel lines; no cutting corners
- Solenoids with Viton® & Teflon® seals; low voltage, low current yet hi-flow
- Lifetime Warranty on All Solenoids
- Hi-flow nozzle or 6061 Billet carburetor spray-plate
- All the hardware, fittings, wire, & connectors to finish the job
- Well nuts for easy bottle bracket installation
- Easy to follow installation instructions



Complete Wet Systems Include:

- 10lb Wet-Black powder coated bottle
- Chrome Hi-Flo 660 bottle valve with gauge port
- Braided stainless N₂O feed line w/Teflon® core
- Braided stainless nozzle/plate lines, 1 blue, 1 red
- T-Rex Nozzle or billet carburetor plate
- Adjustable HP jetting
- 15A WOT micro switch
- Quick-Clamp stainless bottle brackets
- Mounting hardware, brackets, bolts, screws, clamps & ties
- Electrical components, wire connectors, relays & switches
- Drill & tap, fittings & sealant
- N₂O & Fuel Solenoids
- Lifetime Warranty on solenoids
- Easy "Step-By-Step" instruction book



Part #	Description
110005	Bare-Bones EFI Economy Wet Nitrous System Single Raptor Nozzle, 10 lb. Bottle, .080 Hot-Shot Valve, Wet, 50, 75, 100, 125, 150hp Jetting
110006	Bare-Bones 4150 Economy Spray-Plate System 4150 Holley Square Bore Carburetor, 10 lb. Bottle, .080 Hot-Shot Valve, Single Economy Plate, Wet, 75, 100, 125, 150, 175hp Jetting
110010	4 & 6 EFI Wet Nitrous System 4 & 6 Single T-Rex Nozzle, 10 lb. Bottle, .080 Hot-Shot Valve, Wet, 35, 50, 75, 100hp Jetting
110012	V-8 EFI Wet Nitrous System V-8 Single T-Rex Nozzle, 10 lb. Bottle, .080 Hot-Shot Valve, Wet, 50, 75, 100, 125, 150hp Jetting
110014	GM V6 EFI Wet Nitrous System For GM 3.0/3.6L Camaro, G8, CTS; Single T-Rex Nozzle, Spray-Plate, 10 lb. Bottle, .080 Hot-Shot Valve, Wet, 35, 50, 75, 100hp Jetting
110015	Mustang S197 (05+) Wet Nitrous System Single T-Rex Nozzle, 10 lb. Bottle, .080 Hot-Shot Valve, Wet, 50, 75, 100, 125, 150hp Jetting
110016	Hot-Shot 4150 Spray-Plate Nitrous System 4150 Holley Square Bore Carburetor, 10 lb. Bottle, .080 Hot-Shot Valve, Single 80 Hole Plate, Wet, 75, 100, 125, 150, 175hp Jetting
110018	Phat-Shot 4150 Spray-Plate Nitrous System 4150 Holley Square Bore Carburetor, 10 lb. Bottle, .125 Phat-Shot Valve, Single 80 Hole Plate, Wet, 100, 150, 200, 250, 300hp Jetting
110020	Phat-Shot 4500 Spray-Plate Nitrous System 4500 Holley Dominator Carburetor, 10 lb. Bottle, .125 Phat-Shot Valve, Single 96 Hole Plate, Wet, 100, 150, 200, 250, 300hp Jetting
110021	Split-Shot 4150 Dual Cross Bar Nitrous System 4150 Holley Square Bore Carburetor, 10 lb. Bottle, 180 Split-Shot Dual Outlet Valve, Dual Cross Bar 160 Hole Plate, Wet, 150, 200, 250, 300, 350, 400hp Jetting
110022	Split-Shot 4500 Dual Cross Bar Nitrous System 4500 Holley Dominator Carburetor, 10 lb. Bottle, 180 Split-Shot Dual Outlet Valve, Dual Cross Bar 192 Hole Plate, Wet, 150, 200, 250, 300, 350, 400hp Jetting
110023	Split-Shot Viper Dual Nozzle System Dual T-Rex Nozzles, 10 lb. Bottle, Split-Shot Dual Outlet Valve, Wet, 150, 200, 250, 300, 350, 400hp Jetting

Raptor™ Wet Nozzle

Bare-Bones EFI systems come with the highest quality RAPTOR™ wet nozzle for up to 175 HP.



T-Rex™ Nozzle

Exclusive T-REX™ Nozzle with true-blend spray bowl delivers a swirl cone plume at a 110° angle to center the throttle body for an even blend. Flows up to 300+ HP yet works great delivering only 35 HP. Flow matched fittings allow for the use of any style flare jets that are currently used in the industry.



Laser Drilled Spray Plates

Spray-Plates made of 6061 billet with laser-drilled stainless spray bars featuring 80 holes for standard flange Holley and 96 for the Dominator. More holes provide greater HP with less nitrous freeze.





Triple-Threat™ Systems

NY-TREX™ is proud to introduce the next phase of nitrous innovation, the Triple-Threat™ Wet Nitrous System. This system combines all three valve functions: Purge, N₂O and Fuel in one easy to install component. The Triple-Threat solenoid valve system is a precision machined billet body with three integral solenoid valves with Volt-Trap coils for a dependable, clean, and all-in-one functionality.

NY-TREX™ nitrous systems use only the highest quality materials and components to produce the best looking, best performing, and most reliable wet systems around. Ny-Trex exclusive Triple-Threat systems have been thoroughly dyno-tested to ensure the most safe and reliable performance possible. Designed with the enthusiast and installer in mind.

Special Features

- All the unique benefits of the exclusive Triple-Threat Solenoid Valve System
- All Triple-Threat systems include purge & fuel pressure safety components
- Precision-machined components with durable & attractive construction
- Braided stainless steel lines
- Hi-flow T-Rex nozzle or 6061 billet carburetor spray-plate
- All the hardware, fittings, wire & connectors to finish the job
- Well nuts for easy bottle installation
- Easy to follow installation instructions

Complete Triple-Threat™ Systems Include:

- 10lb Wet-Black powder coated bottle
- Liquid filled bottle gauge
- Fuel Pressure Safety Switch
- Complete purge system
- Chrome 660 Hi-Flo valve with gauge port
- Braided stainless N₂O feed line w/Teflon® core
- Braided stainless nozzle/plate lines, 1 blue, 1 red
- T-Rex nozzle or billet carburetor plate
- Adjustable HP jetting
- 15A WOT micro switch
- Quick-Clamp stainless bottle brackets
- Mounting hardware, brackets, bolts, screws, clamps & ties
- Electrical components, wire connectors, relays & switches
- Drill & tap, fittings & sealant
- Triple-Threat Solenoid Valve System w/Lifetime Warranty

Triple-Threat™ Solenoid Valve System combines N₂O, Fuel, and Purge all in one easy to install assembly.



Triple-Threat™ Systems

Part#	Description
110025	Triple-Threat™ 4&6 Cyl EFI Wet Nitrous System Triple-Threat Valve, Purge, Fuel Pressure Safety Switch, 10 lb. Bottle, Pressure Gauge, Single Nozzle, 35,50,75, & 100hp Jetting
110026	Triple-Threat™ V-8 EFI Wet Nitrous System Triple-Threat Valve, Purge, Fuel Pressure Safety Switch, 10 lb. Bottle, Pressure Gauge, Single Nozzle, 50,75,100,125, 150hp Jetting
110027	Triple-Threat™ V-8 Spray-Plate Nitrous System Triple-Threat Valve, Purge, Fuel Pressure Safety Switch, 10 lb. Bottle, Pressure Gauge, 4150 Holley Square Bore Carburetor, Single 80 Hole Plate, 75,100,125,150,175hp Jetting
110028	Triple-Threat™ Camaro 5 (2010+) V6 EFI Wet Nitrous System Triple-Threat Valve, Purge, Fuel Pressure Safety Switch, 10 lb. Bottle, Pressure Gauge, Spray-Plate, Single Nozzle, Mounting Hardware, 35,50,75,and 100hp Jetting
110029	Triple-Threat™ Mustang S197 (05+) EFI Wet Nitrous System Triple-Threat Valve, Purge, Fuel Pressure Safety Switch, 10 lb. Bottle, Pressure Gauge, Single Nozzle, 50,75,100,125, and 150hp Jetting

Triple-Threat™ Solenoid Valve

- Unique billet aluminum manifold combines nitrous, fuel, & purge solenoids into single component
- Easily mounts to any surface
- "Volt-Trap" coil minimizes saturation & improves efficiency
- Nitrous oxide cools solenoids & fuel

Part #	Description
140010	Triple-Threat Solenoid Valve System



Triple-Threat™ Solenoid Valve System combines N₂O, Fuel, and Purge all in one easy to install assembly.



Prime Time™ Show Purge Kit

Be the envy of the nitrous world and show off your Ny-Trex prowess with this complete PRIME TIME™ Show Purge Kit. Comes complete with all hardware, braided stainless lines, and 10lb. nitrous bottle for complete and easy install.

Part #	Description
110086	Prime-Time Show Purge Kit





#110038 SHOWN

Dry-Trex™ & Diesel Systems

The Ultimate EFI Dry Nitrous System

Adding a DRY-TREX™ EFI Dry Nitrous System is one of the easiest and most cost effective ways to improve performance of any late model EFI vehicle. This system sprays nitrous only and allows the vehicles computer system to enrich the fuel as needed. Dry-Trex systems have been thoroughly dyno-tested to insure the most safe and reliable performance possible on any vehicle.

Complete EFI Dry Systems Include:

- DRY-TREX™ Nozzle & adapter (up to 175+HP)
- Adjustable HP jetting
- 10 lb Wet-Black powder coated bottle
- Chrome Hi-Flo 660 bottle valve w/gauge port
- Quick Clamp bottle brackets
- Braided stainless steel lines
- Switch controls, relay & wiring
- Hose, clamps, ties, fittings & sealant
- Brackets, hardware & bolts
- Easy "Step-By-Step" instruction book
- Lifetime Warranty Hot-Shot N₂O solenoid valve

Part #	Description
110008	EFI 4&6 Dry Nitrous System 4&6 EFI, 10lb. Bottle, Single Dry-Trex Nozzle, 35,50,75hp, Universal system

110009	EFI V8 Dry Nitrous System V8 EFI, 10lb. Bottle, Single Dry-Trex Nozzle, 50,75,100hp, Universal system
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Big-Diesel™ Dry Nitrous Systems

NY-TREX™ is proud to introduce the next phase of nitrous innovation for the ever popular diesel market. Big-Diesel Dry Nitrous Systems allows you to turn that "Black Smoke" into horsepower and torque. Ny-Trex nitrous systems use only the highest quality materials and components and have been thoroughly dyno-tested to ensure the most safe and reliable performance for your diesel.

Complete Diesel Systems Include:

- BIG-DRY NOZZLE™ & adapter (up to 200+HP)
- Adjustable HP jetting
- 10lb. Wet-Black powder coated bottle
- Chrome Hi-Flo 660 bottle valve w/gauge port
- Quick Clamp stainless steel bottle brackets
- Braided stainless steel lines
- Switch controls, relay & wiring
- Hose, clamps, ties, fittings & sealant
- Brackets, hardware & bolts
- Easy "Step-By-Step" instruction book
- Lifetime Warranty Hot-Shot N₂O solenoid valve

Part #	Description
110037	Big-Diesel Dry Nitrous System Diesel, 10lb. Bottle, Single Big-Dry Nozzle, 50,75,100,125hp, Universal System

110038	Big-Diesel w/CryO² Technology Dry Nitrous System Diesel, 10lb. Bottle, Single Big-Dry Nozzle, 50,75,100,125hp, Purge Components, 19" x 9" Intercooler Sprayer, Universal System
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Nozzles

NY-TREX™ Nozzles are precision machined from the finest billet materials then finished beautifully with either a bright anodized or nickel chrome finish. The exclusive T-REX™ nozzle with true blend spray bowl delivers a swirl cone plume at a 110° angle, to promote an even blend.

- Delivers a swirl cone plume at 110° angle to increase performance
- Unique faceted spray tip allows passing air without disrupting spray pattern
- Highest flowing nozzle with .110" passages -can deliver over 300HP
- Flow matched fittings allow for the use of any style flare jet

Part #	Description
150050	T-Rex Hi-Flo Wet Nozzle
150040	Raptor Direct-Spray Nozzle
150020	1/8" Big-Dry Nozzle
150041	1/16" Dry-Trex Nozzle
110070	T-Rex Dual Nozzle Upgrade



1/8" Dry-Trex™



1/16" Dry-Trex™



V6 Camaro
Nitrous Plate
Adapter

Spray-Plates

NY-TREX™ Spray-Plates are CNC machined from 6061 billet and fitted with laser-drilled, stainless steel spray bars that provide an even blend of nitrous and fuel. The more holes the better and more even spray. Dominator plate has 96 holes and standard Holley plate has 80.

- 6061 Billet aluminum construction
- Laser drilled stainless spray bars
 - Single spray 4150 = 80 holes, 400HP
 - Single spray Dominator = 96 holes, 500HP
 - Dual spray 4150 = 160 holes, 600+HP
 - Dual spray Dominator = 192 holes, 700+HP
- Flow matched fittings allow for the use of any style flare jet

Part #	Description
150010	Single Holley 4150 80 Hole Plate
150011	Single Holley Dominator 96 Hole Plate
150012	Dual Holley 4150 160 Hole Plate
150013	Dual Holley Dominator 192 Hole Plate





Hot-Shot™ Fuel & Nitrous Solenoids

- Stainless Steel body
- "Volt-Trap" coil minimizes saturation & improves efficiency
- Operates at 9 volts
- 175 hp flow rating
- Teflon® N₂O and Viton® fuel seals
- LIFETIME WARRANTY

Part #	Description
140012	Hot-Shot Nitrous Solenoid
140013	Hot-Shot Fuel Solenoid
140014	Hot-Shot Purge Solenoid

**LIFETIME
WARRANTY**



Phat-Shot™ Fuel & Nitrous Solenoids

- Stainless Steel body
- .125" nitrous & .250" fuel orifices
- Wide horsepower range: 100-400 hp
- 1/4" NPT inlet & 1/8" NPT outlet ports
- Teflon® N₂O and Viton® fuel seals
- LIFETIME WARRANTY

Part #	Description
140030	Phat-Shot Nitrous Solenoid
140035	Phat-Shot Fuel Solenoid

**LIFETIME
WARRANTY**



Split-Shot™ Fuel & Nitrous Solenoids

Hi-Flow design uses a unique plunger that reduces internal pressure and allows for increased orifice size (.180), greater bottle pressures (up to 1,250 psi) and will deliver up to 700HP of nitrous with as little as 3 amp current draw.

- Stainless Steel body
- Single inlet & dual outlet ports
- Hi-flow .180" orifices
- 700 HP flow rating
- Weather-Pack connector
- LIFETIME WARRANTY
- O-ring style inlet & outlet ports
- Integrated purge port eliminates "Y"
- Teflon® N₂O & Viton® fuel seals
- Low current draw- about 3 amps
- 1,250 psi max rating

Part #	Description
140050	Split-Shot Nitrous Solenoid
140055	Split-Shot Fuel Solenoid

**LIFETIME
WARRANTY**



Triple-Threat™ Solenoid Valve System

- Unique billet aluminum manifold combines nitrous, fuel, & purge solenoids into single component
- Easily mounted to any surface
- "Volt-Trap" coil minimizes saturation & improves efficiency
- Nitrous oxide cools solenoids & fuel

Part #	Description
140010	Triple-Threat Solenoid Valve System

TRIPLE-THREAT™ SOLENOID VALVE combines N₂O, Fuel, and Purge all in one easy to install assembly.

**LIFETIME
WARRANTY**



Bottles and Accessories

NY-TREX™ bottles, gauges, and accessories are precision made from the finest materials then meticulously tested to perform at the highest level possible.

Part #	Description	Part #	Description
110085	V-Spray Purge Block	120065	660 Bottle Nut Washer (Nylon)
110080	Purge Kit	120090	NHRA Blow Off Fitting
120010	NHRA Blow Off Disc Kit Burst Disc & Fitting	120091	NHRA Blow Off Burst Disc - 3000 PSI
120011	NHRA Complete Blow Off Kit Burst Disc, Fitting & Blow Down Tube	120092	Blow Down Tube
120045	Mica-Band Bottle Heater Element	120066	660 x -6 Stainless Bottle Nut
120051	10 lb. "Wet Black" Hi-Flo Bottle	120068	660 x -8 Stainless Bottle Nut
120053	15 lb. "Wet Black" Hi-Flo Bottle	125015	Liquid Filled Bottle Gauge 1-1/2" 0-1500 PSI
120055	5 lb. "Wet Black" Hi-Flo Bottle	125043	Blue -4 Swivel Gauge Port
120056	16 oz. Brushed Hi-Flo Bottle	125063	Blue -6 Swivel Gauge Port
120060	660 Hi-Flo Valve w/Gauge Port	150014	4150 Plate Gasket
120063	Mini Hi-Flo Bottle Valve	150015	4500 Plate Gasket
120064	660 x -4 Stainless Bottle Nut		

Accu-Pressure™ Bottle Heater System

- Maintains bottle pressure
- Mica-band heating element
- Controlled by Adjustable Pressure Switch
- Weather-Pack connector
- Includes all components & easy instructions

Part #	Description
120040	Accu-Pressure Bottle Heater



Nitrous Pro Accessories Kit-EFI

All the components necessary to take any nitrous system to the next level. Kit Includes:

- Fuel Pressure Safety Switch
- V-Spray Purge Block
- Purge System
- Accu-Pressure Bottle Heater System
- Liquid Filled Bottle Gauge
- Gauge Port

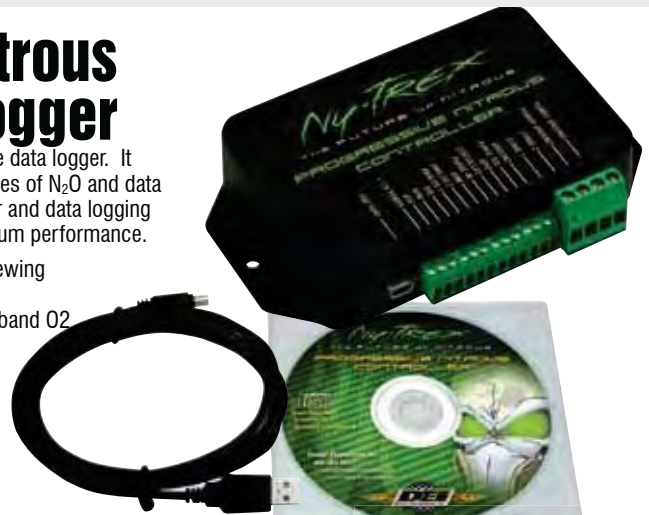
Part #	Description
110091	Nitrous Pro-Accessories Kit-EFI

Ny-Trex NpC Progressive Nitrous Controller & Vehicle Data Logger

The NY-TREX™ NpC is a combination Progressive Nitrous Controller and vehicle data logger. It offers a diverse list of functions allowing independent control of up to two stages of N₂O and data logging (recording) of all I/O devices. Software for programming the controller and data logging is included and will assist in analysis and tuning of any N₂O system for maximum performance.

- PC graphic interface programmability, data logging & real-time parameter viewing
- Two independently-programmable progressive nitrous stages
- Two flexible 0-5 Volt analog inputs for logging sensor outputs such as wide-band O₂
- Programmable auto-purge when system is armed
- Programmable general purpose input/output (GPIO) terminal
- Heavy-duty industrial grade clamping terminal blocks
- Compact size: 4.1"L x 2.8"W x 1.1"H

Part #	Description
160030	NpC Progressive Nitrous Controller



Nitrous Trans-Fill Station

Complete with Pump, Digital Scale, Tray, Braided stainless lines, and filter.

- Portable Tray
- 100lb. Scale
- Digital Scale Controller
- Hand-Wheel nursing cylinder connector
- Braided Stainless inlet & outlet lines
- Double-Ended Pump

Part #	Description
110040	Nitrous Pump Only
110042	Nitrous Trans-Fill Station
110043	-4 Fill Station Inlet Hose w/Economiser Valve



Stainless Steel Braided Hose Line

Part #	Description
175030	-3 x 22" Blue
175031	-3 x 16" Blue
175032	-3 x 12" Blue
175033	-3 x 7" Blue
175052	-3 x 8" Blue
175035	-3 x 22" Red
175036	-3 x 16" Red
175037	-3 x 12" Red
175038	-3 x 7" Red
175053	-3 x 8" Red
175039	-4 x 2" Blue
175040	-4 x 12" Blue
175041	-4 x 18" Blue
175034	-4 x 2ft Blue
175043	-4 x 3ft Blue
175044	-4 x 14ft Blue
175046	-4 x 16ft Blue
175048	-4 x 18ft Blue
175051	-4 x 5ft Red
175058	-4/-3 x 7" Blue Hi-Flo Line
175059	-4/-3 x 7" Red Hi-Flo Line
175065	-6 x 16ft Blue

Bottle and Solenoid Brackets

Part #	Description
130030	Quick-Clamp Stainless Steel Bottle Bracket Set
130033	Universal Solenoid Mounting Bracket
130035	Billet Solenoid Mounting Bracket



B-Valve Remote Bottle Valve Opener

- Open bottle with the flip of a switch
- Direct or remote mount
- Full-flow .250" orifice
- Easy removal for bottle filling

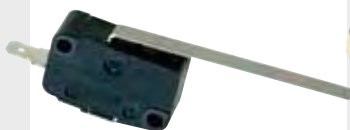
Part #	Description
120095	B-Valve Remote Bottle Opener



Part # 165028
Aircraft Arming Switch
Carbon Fiber



Part # 165030
Red Push Button Switch



Part # 165040
Wide Open Throttle Micro Switch 15A



Part # 165045
Bottle Pressure Transducer (Adjustable)



Part #	Description
165033	EFI Fuel Pressure Safety Switch 30 PSI
165035	Carb Fuel Pressure Safety Switch 5 PSI

Nitrous Filters

Part #	Description
199045	Large Nitrous Filter, 1/4" NPT, Bronze Sintered, 50 Micron
199046	Small Nitrous Filter, 1/8" NPT, Bronze Sintered, 50 Micron

Fittings

Part #	Description
170011	-3 x 1/8" NPT Male Adapter
170012	-4 x 1/8" NPT Male Adapter
170013	-4 x 1/4" NPT Male Adapter
170014	1/8" NPT Close Nipple
170015	1/8" NPT Brass Male Run Tee
170050	1/8" NPT "Y" Blocks
170047	-4 Swivel 90° Adapter
170048	-4 Swivel Tee Adapter
170063	Male -3 to Straight Cut Male -3 O-Ring
170064	Male -4 to Straight Cut Male -4 O-Ring
170068	Male -6 to Straight Cut Male -6 O-Ring

Fuel Adapters

Part #	Description
170022	-4 x 1/16" NPT Fuel "Jump" Fitting
170060	S197 (05+) Ford Fuel Adapter
170061	GM/Dodge Fuel Rail Adapter

Nozzle Adapter

Part #	Description
150054	1/16" Nozzle Adapter
150055	1/8" Nozzle Adapter
170059	1/4" x 28 Nozzle Jet Fitting

Electrical

Part #	Description
160020	Relay Wire Harness
160021	40 Amp Relay
165031	Remote Cord Push Button Switch
165050	Power Outlet Adapter w/Switch

Nozzle Taps

Part #	Description
190016	1/16" x 27 NPT Pipe Tap
190023	1/8" x 27 NPT Pipe Tap



Flare-Jets

Laser drilled for precise metering
Dual taper design for even flow
3/16" stem for larger HP applications

Part #	Description	Part #	Description
155010	.010 Flare Jet	155033	.033 Flare Jet
155012	.012 Flare Jet	155034	.034 Flare Jet
155014	.014 Flare Jet	155035	.035 Flare Jet
155016	.016 Flare Jet	155036	.036 Flare Jet
155018	.018 Flare Jet	155038	.038 Flare Jet
155020	.020 Flare Jet	155040	.040 Flare Jet
155022	.022 Flare Jet	155041	.041 Flare Jet
155024	.024 Flare Jet	155044	.044 Flare Jet
155026	.026 Flare Jet	155046	.046 Flare Jet
155028	.028 Flare Jet	155048	.048 Flare Jet
155030	.030 Flare Jet	155052	.052 Flare Jet
155031	.031 Flare Jet	155057	.057 Flare Jet
155032	.032 Flare Jet	155062	.062 Flare Jet
		155067	.067 Flare Jet
		155070	.070 Flare Jet
		155073	.073 Flare Jet
		155082	.082 Flare Jet
		155088	.088 Flare Jet



Flare-Jet Assortment Packs

Part #	Description
155001	Jet Pack 1 – 24 Assortment- 2 Each Sizes 18,20,24,31,33,35,41,52,57,62,67,73
155002	Jet Pack 2 – 50 Assortment- 2 Each Sizes 14,16,18,20,22,24,26,28,31,32,33,35,38,40,41,44,46,48,52,57,62,67,73,82,88
155003	Jet Pack 3 – 100 Assortment-4 Each Sizes 14,16,18,20,22,24,26,28,31,32,33,35,38,40,41,44,46,48,52,57,62,67,73,82,88

Under Tank Heat Reflection Kit

Hot Fuel reduces performance, makes consistent starting of the engine difficult and can lead to vapor lock. We have a simple and effective solution... If you have a liquid cooled engine, our Reflect-A-Cool product is the perfect choice. Just line the underside of your tank with the self-adhesive material and you will reduce heat soak on your fuel tank. For air cooled engines we recommend our higher performance Reflect-A-GOLD product. Both kits include either a 24"x 24" sheet of Reflect-A-Cool with a 1-1/2" x 15' Cool Tape or 24"x 24" sheet of Reflect-A-GOLD with a 1-1/2" x 15' GOLD tape.

- Reflect-A-Cool withstands continuous temperatures of 400° F
- Reflect-A-GOLD will handle continuous temperatures of 850° F
- Includes enough to cover the bottom of most sport bike tanks.

Part #	Description
010463	Under Tank Reflect-A-Cool kit
010464	Under Tank Reflect-A-GOLD Kit



Motorcycle Fairing Kit

We have put together just the right products to protect your bikes fairings from heat damage caused by hot exhaust systems, radiators, oil coolers or hot engines. You get two 10"x 10" pieces of F&T-II. Perfect to shield your fairing from hot exhaust and engine block heat that can melt or damage expensive fairings. A 12"x 24" piece of Reflect-A-Cool is great to protect areas from radiator heat. 15ft of Cool Tape can be used to seam together the Floor and Tunnel II or Reflect-A-Cool or just spot areas that need protection.

- F&T-II can withstand direct heat of up to 1750° F
- Reflect-A-Cool and Cool Tape can handle continuous temperatures of 400° F

Part #	Description
010329	Motorcycle Fairing Kit



Fuel Tank Cover

Heat is an enemy of any competition motorcycle. With Fuel being as expensive as it is, get maximum power from your fuel by keeping it cool. The DEI Fuel Tank Cover is an easy way to do that. One size fits all; it just drops over your tank and reflects the sun's heat keeping your fuel cool. Made from Mylar covered felt it won't scratch or harm your tank. Manufacturers of racing fuel recommend covering tanks and using a reflective material underneath like our Under Tank Heat Reflective Kit.

- Fast on & off, perfect for pit lane.
- Reflects heat from the sun
- Protects your gas tank
- Helps prevent vapor lock

Part #	Description
010465	Fuel Tank Cover



Radiator Relief™ Track Time™

Supercharges your radiator by transferring heat more efficiently through the radiator reducing operating temps up to 30° F. This clear formula is perfect for racing applications where antifreeze is banned.

- 4 oz. clear formula for racing applications
- Reduces engine temperatures up to 30° F
- Includes a corrosion inhibitor & anti-foaming agent
- Compatible with all antifreeze & coolants

Part #	Description
040201	4oz. Radiator Relief Track Time



F&T-II Extreme Heat Shield™

Designed to withstand direct temps up to 1750° F, Extreme Heat Shield is the perfect solution for lining fairings, gas tank covers, under foot / heel rests and other areas where heat is an issue. Constructed of embossed 10 mil aluminum bonded to a 1/8" composite fiberglass and only 3/16" thick.

- Withstands 1750° F direct heat
- Easily shape, trim, peel & stick
- Minimum clearance required, only 3/16" thick
- Aggressive self-adhesive backing holds past 450° F
- Sticks to fiberglass
- Wind & water will not affect adhesive
- Handles harsh environments

Part #	Description
050501	2 ft x 21" (3.5 sq ft)
050502	4 ft x 21" (7.0 sq ft)
050503	4 ft x 42" (14.0 sq ft)

NOTE: DEI Cool Tape is suggested for sealing F&T-II edges and seams



Pipe Wrap & Locking Ties Kits

DEI Pipe Wrap is used in many types of applications for reducing unwanted heat and provides protection for vital engine parts, body panels, fairings and your skin! This kit is perfect for spot protection where heat protection is a must. Available in Black, Tan and TITANIUM™.

- Decrease exhaust density & increase exhaust flow
- Sewn-in guidelines for proper overlap and install
- Withstands 1200°F direct & 2000°F radiant heat!
- Prevents leg and boot burns!
- Improves Horsepower!
- Titanium 1800°F direct & 2500°F radiant heat

KIT INCLUDES

- 1 - 25ft roll of pipe wrap
- 4 - 8" Stainless Steel Locking Ties

Part #
010119
010122
010123

Description
2"x 25' Wrap Kit - Black
2"x 25' Wrap Kit - Tan
2"x 25' Wrap Kit - Titanium



Pipe Wrap Kits

A simple and effective way to control heat, protect against serious leg burns and improve performance. Pipe Wrap Kits contain everything needed to wrap a set of pipes all in one convenient package. A proprietary coating is applied to all DEI wrap to act as a bonding agent and to increase durability levels under extreme heat.

KIT INCLUDES

- Two - 2" x 15ft. rolls of exhaust wrap
- Eight - 8" & four 14" stainless steel Locking Ties to secure wrap
- HT Silicone Coating spray that penetrates, seals, protects and preserves wrap.
- Prevent burns
- Offers a custom style
- Asbestos free & easy to install
- Protects against abrasions, hot oil spills & road grime
- Improve exhaust flow for better performance
- Increase horsepower!
- Withstands direct continuous heat up to 1200°F

Part #
010330
010331
010332

Description
Black Wrap w/ Black HT Silicone Coating
Tan Wrap w/ Aluminum HT Silicone Coating
Tan Wrap w/ White HT Silicone Coating

Wide Band Series Clamps

Our new WIDE BAND™ series of clamps are the perfect choice if you are looking to enhance the look of our pipe wrap on your motorcycle. These clamps are extra wide to cover the end of the wrap and give a clean transition from wrap to pipe. Made entirely from 300 series stainless steel, they will stay new looking for years. Available in two of the most popular pipe sizes.

- Can be polished to a show finish
- Provides a clean transition from wrap to pipe.
- Great as an exhaust clamp
- Strong & secure fit

Part #
010214
010215

Description
2-3/8" (2.25"-2.56" range)
2" (1.88" - 2.19" range)



TITANIUM™ Pipe Shield™

TITANIUM

DEI's TITANIUM PIPE SHIELD™ combines the high heat tolerance of LR fiber technology with a unique rivet-based clamp shield design to maximize heat dissipation and cooling. DEI's Titanium Pipe Shield provides heat protection up to 1350°F. The outer layer is pulverized and stranded lava rock tightly woven into a weave for durability and strength. The inside material is a special high temperature resistant fabric (89% silica) designed to withstand 350 degrees more heat than glass fiber.

- Handles high temperature exposure up to 1350° F
- Perfect size for Motorcycles & ATV's - 4 inch Pipe Shield can protect against melted boots & hot exposed exhaust systems.
- Easy to install with unique rivet-based pipe standoffs
- Simple to re-position

Part #
010450
010451
010452

Description
6" x 12"
6" x 24"
6" x 36"

Part #
010453
010454

Description
4" x 8"
4" x 12"



Identifying and Solving Vehicle Noise Issues

Every car, truck, hot rod or homebuilt vehicle has a unique acoustic signature due to engine type, exhaust, tires, build quality as well as the effects caused by aftermarket accessories. Elements of that signature can create an undesirable environment for the driver and passengers, such that it becomes necessary to address and repair unwanted noise, or at the very least, alter the quality of the noise encountered by utilizing various noise control materials and composites.

In order to accurately identify which noise control material will work to your satisfaction in your vehicle, one needs to first understand some basic Science of Noise as it relates to the material treatments available. Graphically, a given noise source, will typically be illustrated on an x & y axis, x being a given decibel level in dBA, and y being the frequency range from 100Hz to 5000Hz. With proper sound measurement equipment, it is possible to actually see the sine wave of the noise in question such that the loudest frequency level will become the peak frequency. It is in the control of the peak frequency where one can realize the greatest benefit in terms of actual dBA noise reduction. This is also where the term db's for dollars comes into play...the quieter the desired goal, the more it will cost.

However, most automotive enthusiasts that have certain noise issues with their vehicle may have a difficult time identifying their

respective peak frequencies without proper sound measurement equipment. Historically, automotive noise is typically concentrated in the lower frequency spectrum, usually in the 500Hz range and below. Lower frequency issues can also be the toughest to control, but there are a series of steps to take to help you make an educated decision on the best path to follow in achieving your noise reduction target.

Sealing... This part of the exercise will concentrate on identifying the existing structure as it applies to holes or leaks into the operator cabin. Confirm all weather strip is intact and working properly as it applies to its sealing characteristics. Carefully search out any remaining openings in areas such as the dash, firewall, transmission tunnel, mechanical linkages etc. Holes gaps or leaks once identified can be treated with caulk, gasket material, or removable materials such as Super Seal Foam, for those areas where anticipated service may at some time be required.

Damping... Determine the need for damping. Lower frequency problems and issues can be the result of structure born noise. For example, if you wrap your knuckle on the side of a metal file cabinet or washing machine, you'll notice a distinct ring of sorts as a result.

Damping products such as Boom Mat or Boom Mat Thick, are designed to remove that ring from the metal. Typically, damping materials are used in vehicle doors in order to acquire the welcome thud sound when a door is closed, imitating the sound of a refrigerator door. Most all vehicle doors are likely candidates for this type of treatment as well as areas such as floors, trunk lids and roofs.

Absorbers... an effective noise control solution, but often times not practical in an automotive environment. In industrial and commercial noise control applications such as in heavy off-road construction equipment, effective noise absorbers that are tuned to peak frequency absorption

is typically the most effective and least cost alternative to noise control.

Unfortunately, in most automotive cabins, due to design, there isn't much room to add foam absorbers in a fashion to be both effective and measurable. However, when considering a major noise source, the engine compartment is a very viable candidate for absorption material such as Under Hood materials. Here, the choice would be for as thick a foam absorber as possible, with 3/4" thickness being the minimum. Strategically placed absorbers in an engine compartment will typically yield a measurable reduction.

Barriers... the most practical and effective noise control solution in most automotive applications. A barrier material such as Under Carpet, can be quite effective in controlling lower frequency noise issues. The additional mass of .5 - 1.0 lbs/sq.ft. is an ideal way to deflect unwanted noise from entering the automobile cabin. Considering the three major noise sources; engine, tires & exhaust, a barrier material can be applied to cover the entire floor pan inside, where by the mass of the barrier creates a blockage in the noise path. The effectiveness of the barrier can also be enhanced by using a foam decoupler (1/4" thick open cell foam) under the barrier to simulate what is called 'the double wall effect'. This too will help to control the lower frequency noise problem. Another positive aspect of using Under Carpet to control noise in an automotive application is the removeability of the material. Should access to the chassis be required at some point after the initial installation or to return the vehicle to original status, the barrier can easily be removed without damage, and reapplied if necessary.

Changing the quality of the noise... Often times, the net result of a noise control exercise in a given vehicle will be a change in the quality of the noise rather than a significant dBA reduction. Not necessarily an undesirable finish, but more of an enhancement to the cabin environment. This is due to the fact that there are other factors beyond the vehicle itself that can affect the end result such as road surface conditions, wind, and even temperature.

A successful noise control project requires careful evaluation of the noise source as well as the anticipated path. Typically, there is not just one type of generic material used, but a variety of different materials that are designed to tackle specific issues.



	FEATURES	ADVANTAGES	BENEFITS	WHERE TO USE
Boom Mat Damping Material	Proprietary viscoelastic polymer	30-50% more efficient energy dissipation	Less material needed for similar competitors performance	Floors, door skins, trunks, roofs, any vertical or horizontal interior surface
	Hi-temp adhesive backing	Minimal prep needed Usage on inverted surfaces	Saves install time Performs in extreme temp	
Boom Mat Heavy Duty Damping Material	.070" thick	Superior transmission loss performance of up to 3dBA	Quiet interior	Large flat surfaces of sheet metal where the most demanding vibration damping is needed such as sides and floors of vans, trailers, large trunks or wherever a finished look is needed.
	Hi-temp adhesive backing	Can be applied to any surface	Saves install time Performs in extreme temp	
	Black textured paintable finish	More appealing finish in exposed areas	Can be painted to match any color scheme	
Under Carpet "UC"	1 lb/ft ² mass loaded barrier layer	5.6 dBA reduction - a 25% noise reduction over leading competitor	Makes interior luxury vehicle quiet	Firewalls, floor boards, transmission tunnels, behind rear seats, inner wheel wells, trunk floors, rear quarter panels
	Marine grade acoustic foam decoupling layer	Reduces high frequency noises and provides thermal insulation	Increases interior sound quality, clarity and comfort	
Leather Look™ Sound Barrier	1 lb/ft ² mass loaded barrier layer with embossed leather grain look	5.6 dBA reduction - a 25% noise reduction over leading competitor with a high level of abrasion resistance	Makes interior luxury vehicle quiet and gives a finished leather look	Headliner, rear deck, door skin, trunk floor, floor boards, speaker box, engine cover (dog house)
	Marine grade acoustic foam decoupling layer	Reduces high frequency noises and provides thermal insulation	Increases interior sound quality, clarity and comfort	
Boom Mat Moldable™ Noise Barrier	Heat moldable	Easily forms to complex curves and shapes	Quick and easy installation and removable if service is needed	Behind door panels, floor pans, fire walls, transmission tunnels, behind back seat, inner fender wells, rear quarter panels, trunk floors
	Sound and moisture barrier	Prevents moisture from reaching floor pan while reducing interior noise	Cost effective and reduces interior noise while protecting floor pans from rust	
Under Carpet Lite™ "UC Lite"	Multi-Layer hi-tech composite material	Insulates up to 85% of unwanted heat and lowers interior noise levels average of 3dBA	Quiet comfortable interior	Floor pans, fire walls, transmission tunnels, behind back seat, inner fender wells, rear quarter panels, trunk floors, under headliners, kick panels
	Economical, lite weight, extremely flexible	Weight savings and easy install	Cost effective exceptional noise and heat control	
Under Hood Thermal Acoustic Lining	3/4" thick marine grade acoustical foam	Absorbs engine and unwanted noises	Quieter interior and more enjoyable driving experience	Under hoods, generator compartments, engine covers (dog house), marine & RV engine compartments
	Composite reinforced foil skin	Durability and heat insulating capabilities	Creates thermal barrier insulating surfaces it is applied to.	
Floor & Tunnel Shield II™	Multi-faceted aluminum surface	Withstands 1750° F direct heat	Keeps interior cool by creating a barrier between heat source and your interior	Fire walls, transmission tunnels, on floor boards above header collectors, catalytic converters, mufflers and exhaust pipes, fuel cells, motorcycle fairings, engine covers (dog house), marine & RV engine compartments, reflect turbo heat
	Aggressive hi-temp adhesive backing	Holds past 450° F	Will not peel away in the most demanding applications	

Boom Mat™ Damping Material

BOOM MAT™ is a high quality simple and effective solution in eliminating the low frequency noise problems found in structure borne vibrations caused by typical automotive noise sources.

Boom Mat is constructed of a viscoelastic polymer layer protected by a durable aluminum wear surface and it's strong adhesive backing is unaffected by extreme hot and cold temperatures. Can be applied to horizontal, vertical and inverted areas on metal, plastic, fiberglass and most other automotive surfaces. Available in a variety of sizes for a cost effective installation.

Part #	Description
050200	12" x 12-1/2" (2 sheets) (2.1 sq. ft.)
050202	12" x 12-1/2" (4 sheets) (4.2 sq. ft.)
050204	12" x 12-1/2" (8 sheets) (8.3 sq. ft.)
050206	12-1/2" x 24" (6 sheets) (12.5 sq. ft.)
050210	12-1/2" x 24" (10 sheets) (20.8 sq. ft.)
050212	12-1/2" x 24" (20 sheets) (41.7 sq. ft.)
050214 NEW	12-1/2" x 24" (30 sheets) (62.5 Sq Ft)

Use as a first layer for areas with contours and bends for vibration damping needs.

What's in it for you...

- Enhances stereo performance and sound
- Gives you a quiet & comfortable interior
- Minimal prep and install time
- Performs in extreme temperatures
- Requiring only 25-50% coverage for optimal performance saves you time and money



"Using Boom Mat makes any project quieter, cooler and just simply a better end result."

Aluminum Wear Surface

Viscoelastic Vibration Damping Polymer

Hi-Temp Adhesive

Release Liner



Boom Mat™ Spray-On

BOOM MAT™ spray-on is designed to reduce the noise from structure borne vibration in those hard to reach areas such as trunk interiors, fender wells, undercarriage, body panels, rear quarters and inside door panels.

Part #	Description
050220	Boom Mat Spray-On 18oz (6 per master carton)

All the benefits of Boom Mat Damping Material in one easy to apply spray!

- Let's you get into hard to reach areas
- Can paint to match any color scheme
- Cover a huge 20 sq. ft. area
- Will seal out moisture preventing rust
- Saves time with a quick and easy install... just shake and spray!



Boom Mat Heavy Duty™ Damping Material

If vibration damping is the goal, this is the product! BOOM MAT HEAVY DUTY™ damping material is an extensional viscoelastic damping material designed to provide maximum damping efficiency in the most demanding applications. Designed for use on large flat metal areas with minimal contours. Perfect for exposed areas where a paintable textured finish is desired.

The thickest damping material in the automotive market.

Part #
050230

Description
24" x 54" (9 sq. ft.) (.070" thick)

Where to use:

Large flat surfaces of sheet metal where the most demanding vibration damping is needed such as sides and floors of vans, trailers, large trunks or wherever a finished look is needed.

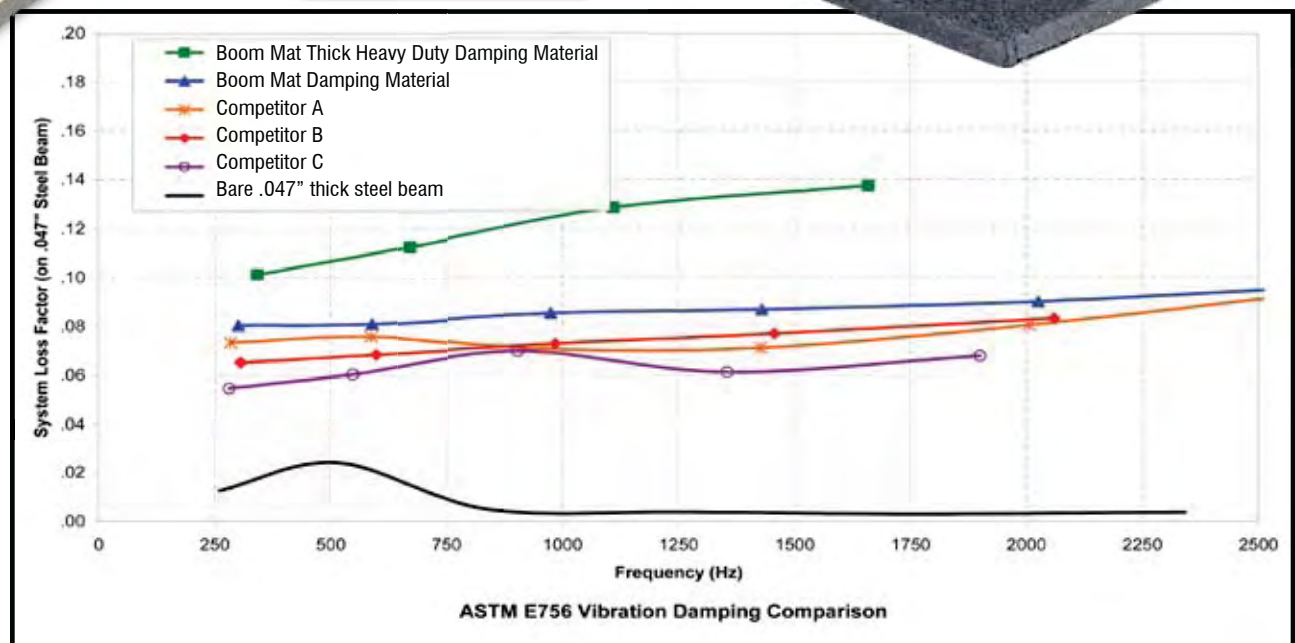
Use as a first layer instead of Boom Mat Damping Material for larger flat metal areas without complex contours.

WHAT'S IN IT FOR YOU...

- Best vibration damping on the market... **PERIOD!**
- Enhances stereo performance and sound
- Gives you a more quiet and comfortable ride
- Minimal prep and install time
- Performs in extreme temperatures
- Saves you money by giving a finished look so no need to cover with a finishing layer

*Best vibration
damping on the market...
PERIOD!*

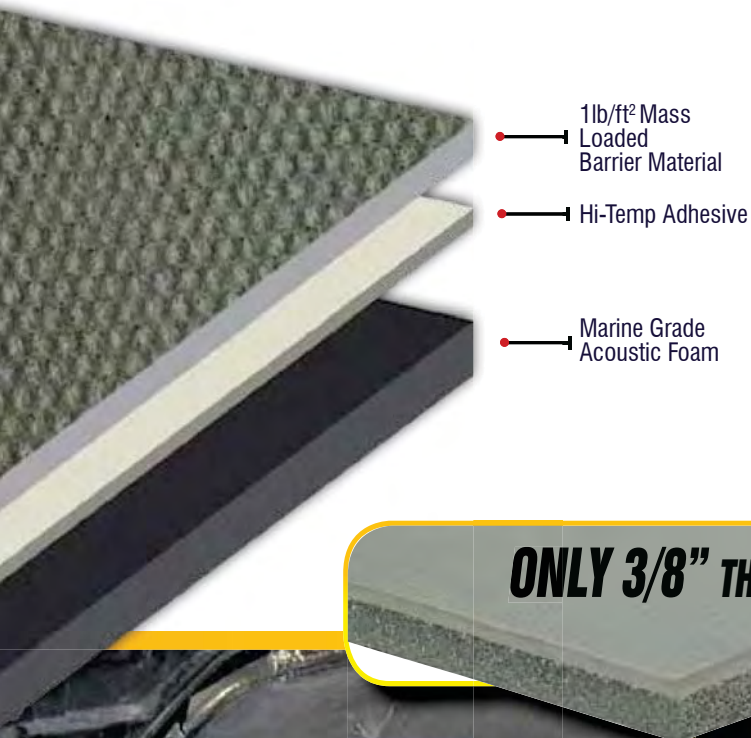
.070" THICK!



Under Carpet - UC™ Sound Barrier

UNDER CARPET™ (UC™) is a second layer sound deadening and insulation mat. This heavy duty, mass loaded barrier layer provides the density needed to block all exterior noise providing a quiet, theatre-like environment. While the marine grade acoustic foam decoupling layer adds to both the acoustic and thermal insulating properties. When used in conjunction with Boom Mat damping material, you create the perfect combination of noise and vibration control maximizing interior comfort.

Part #	Description
050100	24" x 54" (9 sq. ft.)
050101	48" x 54" (18 sq. ft.)
050102	BULK 1 Linear ft. x 54" W



Where to use:

Firewalls, floor boards, transmission tunnels, behind rear seats, inner wheel wells, trunk floors, rear quarter panels

Use as a second layer over Boom Mat Damping Material for the quietest ride possible.

What's in it for you...

- Maximum noise control
- Enhanced stereo performance & sound
- A quiet & comfortable interior
- No mold or mildew issues
- Perfect combination of noise & vibration control

"To keep all my builds cool and quiet, Boom Mat is the only choice."

Alan Johnson

Riddler Award and
Goodguys Street Machine
of the Year Winner



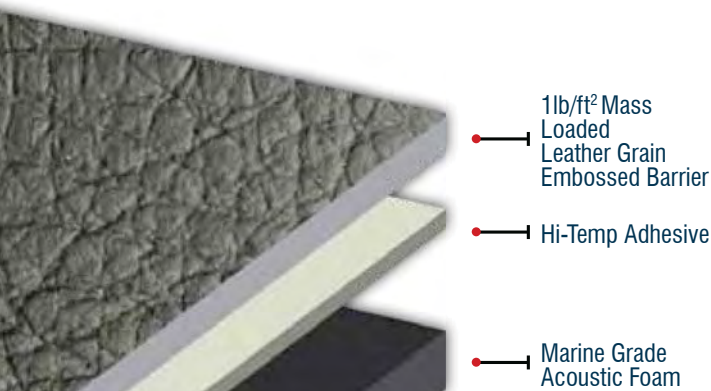
ONLY 3/8" THICK!



Leather Look™ Sound Barrier

The new LEATHER LOOK™ sound barrier provides all the benefits of the Under Carpet - UC Sound Barrier with the addition of a finished leather look. Ideal as a second layer for exposed areas. Perfect uses include covering speaker boxes, package trays, trunks, door panels and headliners. With it's durable wear-rated surface, don't be afraid to use on the floor boards in lieu of carpeting for a clean finished appearance.

Part #	Description
050120	24" x 48" (8 sq. ft.)
050121	48" x 48" (16 sq. ft.)
050122	BULK 1 Linear ft. x 48" W



Where to use:

Headliner, rear deck, door skin, trunk floor, floor boards, speaker box, engine cover (dog house)

Use as a second layer over Boom Mat Damping Material for the quietest ride possible with a finished embossed leather look.

What's in it for you...

- Stylish finished appearance
- Maximum noise control
- Enhanced stereo performance & sound
- A quiet & comfortable interior
- No mold or mildew issues

ONLY 5/16" THICK!

Heat Moldable™ Sound & Moisture Barrier

BOOM MAT MOLDABLE™ barrier is a highly flexible, .5lb/ft² sound barrier designed for those applications where a budget conscious, simple noise control solution is needed. Easily installs with scissors and a heat gun and bonds to itself where seaming is necessary. In addition, it's waterproof properties along with it's thin profile, make it the ultimate material for a sound and moisture barrier behind door panels. You'll find your own uses for this unique and versatile product.

Part #	Description
050103	24" X 54" (9 sq. ft.)
050104	48" X 54" (18 sq. ft.)
050105	BULK 1 Linear ft. X 54" W

Where to use:

Behind door panels, floor pans, fire walls, transmission tunnels, behind back seat, inner fender wells, rear quarter panels, trunk floors

Use as an easily installed stand alone or economical second layer over Boom Mat Damping Material.

What's in it for you...

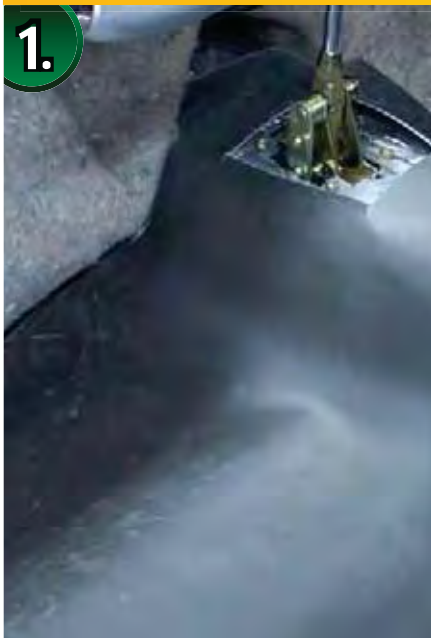
- Easy installation
- Cost effective sound & moisture barrier
- Custom molded fit with heat application
- Easy removal for repairs or service
- Great vapor & sound barrier for door panels

ONLY 1/16" THICK!

**PERFECT FOR REPLACING KRAFT PAPER
OR PLASTIC DOOR MOISTURE BARRIERS!**

Installation as easy as 1... 2... 3...

1.



Trim to size

2.



Apply heat

3.



Install complete



800.264.9472 DesignEngineering.com

Under Carpet - UC LITE™

UNDER CARPET - UC LITE™ is a light weight, superior thermal insulating and sound absorbing material. This 1/2" thick multi-layer, high tech composite material is designed to be extremely flexible and easy to install. UC Lite provides relief from scorching summer heat and brutal winter temperatures while absorbing annoying road, tire and exhaust noise. All in one economical, light weight insulating solution.

Part #	Product Description
050110	24" x 54" (9 sq. ft.)
050111	48" x 54" (18 sq. ft.)
050112	BULK 1 Linear ft. x 54" W
050113 NEW	54" x 72" (27 sq. ft.)

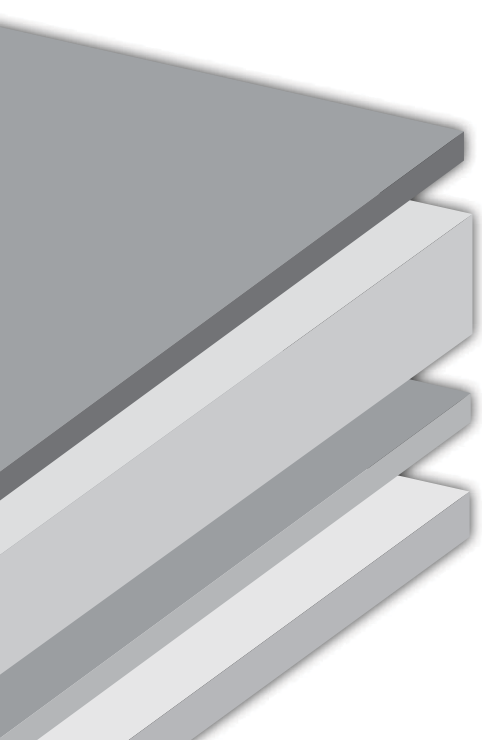
Where to use:

Floor pans, fire walls, transmission tunnels, behind back seat, inner fender wells, rear quarter panels, trunk floors, under headliners, kick panels

Use as a second layer over Boom Mat Damping Material for superior light weight thermal insulation.

What's in it for you...

- Comfortable interior at any temperature
- Quick & easy installation
- Enhanced stereo performance & sound
- Economical insulating solution
- Light weight for high performance applications

- 
- Diagram illustrating the layers of UC LITE:
- Thermal & Acoustic Insulating Layer 1
 - Thermal & Acoustic Insulating Layer 2
 - Noise Decoupling Material
 - Thermal & Acoustic Insulating Layer 3

1/2" THICK!

Insulates up to 85% of unwanted heat!

523°F unprotected side temp.

70°F UC-Lite protected side temp.

Under Carpet - UC Lite

Heat Source

Under Hood™ Thermal Acoustic Lining

Designed primarily for the engine compartment as a way to greatly reduce heat and noise with an easy peel and stick product anyone can install. Engine heat and noise often is a problem with today's modified vehicles packed with high performance components. The use of UNDER HOOD™ Thermal Acoustic Lining can help solve this issue.

Part #
050130

Product Description
32" x 54" (12 sq. ft. size)

Use as a heat and noise barrier to control under hood temps.

What's in it for you...

- Cooler hood surfaces protecting your paint
- Reduced engine noise for passenger compartment
- Easy peel & stick installation
- No mold or mildew issues

Where to use:

Under hoods, generator compartments, engine covers (dog house), marine & RV engine compartments

Foil

Composite Reinforcement

Hi-Temp Adhesive

Marine Grade Acoustic Foam

Hi-Temp Adhesive

Release Liner

ONLY 3/4" THICK!



Floor & Tunnel Shield II - F&T II™

EXTREME HEAT BARRIER! All the great heat and sound insulating features of our original Floor & Tunnel Shield, but with a modern, multi-faceted, aluminum surface for even more reflectivity and rigidity. Withstands 1750°F of direct continuous heat with a self-adhesive backing that holds past 450°F. Easy to use - simply trim, peel and stick. For use on fire walls, transmission tunnels, floor boards, fuel cells and anywhere protection from heat is needed.

Part #	Description
050507	21" x 24" (3.5 sq. ft.)
050508	21" x 48" (7 sq. ft.)
050509	42" x 48" (14 sq. ft.)

Where to use:

Fire walls, transmission tunnels, on floor boards above header collectors, catalytic converters, mufflers and exhaust pipes, fuel cells, motorcycle fairings, engine covers (dog house), marine & RV engine compartments, reflect turbo heat

Use as barrier to reflect and insulate from any heat source

What's in it for you...

- Protection for engine components
- Protection for painted body panels
- Comfortable interior at any temperature
- Quick & easy installation
- Hi-temp adhesive for a "do-it-once" install

**UP TO 1750°F
EXTREME HEAT BARRIER!**

ONLY 3/16" THICK!

Transmission Tunnels

Fire Walls

Above Exhausts

Jeep® Wrangler Sound-Deadening Headliner

Riding in a Jeep® is great fun except for the truck's propensity for interior noise that makes it difficult to hear conversations or enjoy your sound system. Now there is an easy solution. Boom Mat's new Jeep® Wrangler Sound Deadening Headliner is a simple die-cut, peel and stick kit that dresses up the interior of Jeep hard tops while minimizing annoying outside noise. Constructed of high quality marine grade acoustical foam that resists mold and mildew while insulating outside heat or cold with an R4 value. Same heavy-duty material used in off highway and military vehicles.

Thermal insulation with an R4 value

Bonded Fabric Wear Surface

Marine Grade Acoustic Foam

Hi-Temp Adhesive

Release Layer

- Headliner reduces noise levels 3 to 4 decibels.
- A significant change in noise level that will make it easier to have conversations and enjoy your favorite music.
- Available in black, gray or white.
- Meets stringent military specifications

NOTE: Optional 2-piece side window kit shown (See Page 51 for Side Window Kit Information)

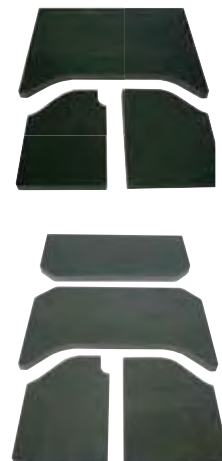
AVAILABLE FOR 2 AND 4 DOOR MODELS!

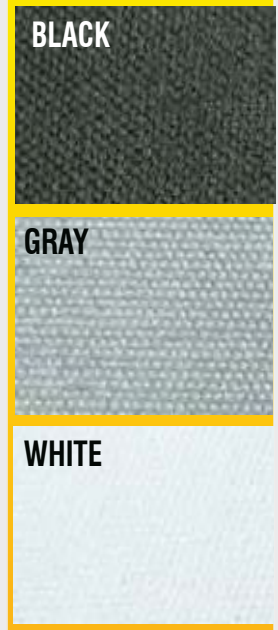
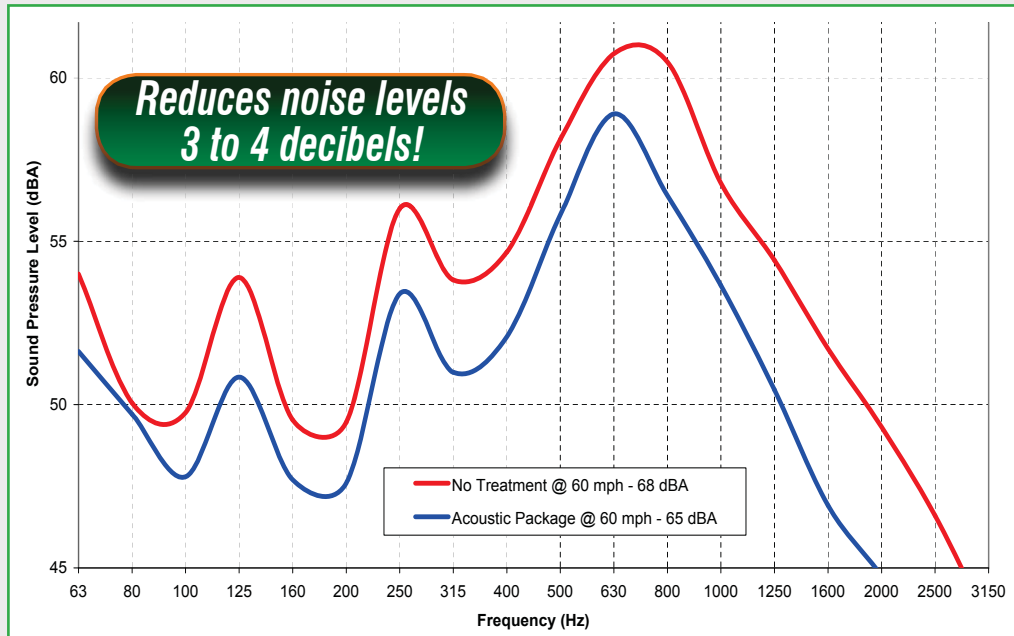
Part #	Description
050132	'07-'10 2-DOOR, BLACK
050136	'07-'10 2-DOOR, WHITE
050134	'07-'10 2-DOOR, GRAY
050138	'11-UP 2-DOOR, BLACK
050142	'11-UP 2-DOOR, WHITE
050140	'11-UP 2-DOOR, GRAY

Part #	Description
050131	'07-'10 4-DOOR, BLACK
050135	'07-'10 4-DOOR, WHITE
050133	'07-'10 4-DOOR, GRAY
050137	'11-UP 4-DOOR, BLACK
050141	'11-UP 4-DOOR, WHITE
050139	'11-UP 4-DOOR, GRAY

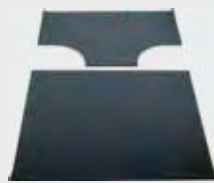
Part #	Description
050143*	'97-'06 TJ BLACK
050144*	'97-'06 TJ GRAY
050145*	'97-'06 TJ WHITE
050146	'03-'06 TJ BLACK w/factory speaker pods
050147	'03-'06 TJ GRAY w/factory speaker pods
050148	'03-'06 TJ WHITE w/factory speaker pods

*'97-'02 w/factory sound bar and '97-'06 with no roll bar speakers

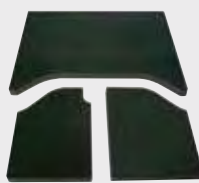




'97-'02 TJ
w/factory sound bar
'97-'06 TJ
with no roll bar speakers



'03-'06 TJ
w/factory speaker pods



'07-'10
2 Door



2011 and Up
2 Door



'07-'10
4 Door



2011 and Up
4 Door

JEEP SIDE WINDOW KIT

- The finishing touch that compliments your Jeep Sound-Deadening Headliner Kit
- Adds additional sound deadening & thermal insulation
- Available in black, gray or white.

Jeep® Wrangler Side Window Kit

Complete your headliner installation with our Jeep® Wrangler Side Window Trim kit. A great finishing touch for the interior of your Wrangler!

Part #	Description
050149	'11-UP 4-DOOR, BLACK
050150	'11-UP 4-DOOR, GRAY
050151	'11-UP 4-DOOR, WHITE





Boom Mat™ Speaker Baffles

All sold in pairs

- Maximize speaker performance by isolating the correct frequency responses
- Dampen vibration in sheet metal & panel-to-frame resonance
- Forms a water tight protective shell to prevent moisture intrusion
- Closed cell polyethylene construction

ROUND

Part #	Description	Width	Height	Depth
050310	4" round	6"	6"	3-1/2"
050311	4" round slim	6"	6"	2-1/2"
050320	5-1/4" round	6-1/2"	6-1/2"	4"
050321	5-1/4" round slim	6-1/2"	6-1/2"	2-1/2"
050330	6-1/2" round	7"	7"	3-1/2"
050331	6-1/2" round slim	7"	7"	3"
050340	6-3/4" round	7-1/2"	7-1/2"	5"
050341	6-3/4" round slim	7-1/2"	7-1/2"	3"

OVAL

Part #	Description	Width	Height	Depth
050350	4" x 6" Oval	8"	6"	3-1/2"
050351	4" x 6" Oval Slim	8"	6"	2-1/2"
050360	5" x 7" Oval	8-1/2"	7"	4-1/2"
050361	5" x 7" Oval Slim	8-1/2"	7"	3"
050370	6" x 8" Oval	9-1/2"	7"	5"
050371	6" x 8" Oval slim	9-1/2"	7"	3"
050380	6" x 9" Oval	10-1/2"	7-3/4"	4-1/2"
050381	6" x 9" Oval Slim	10-1/2"	7-3/4"	3-1/2"

TOOLS

Boom Mat has a handle on what DIYers and professional installers need to quickly and expertly cut and install Boom Mat materials.

Part #	Description
050218	Boom Mat Installation Roller
050216	Blade Lock Knife



Boom Mat™ Retail Product Display Board

Part #
060603

Description
Boom Mat Thermal Acoustic Control (12"x18")

Hi-Temp Spray Adhesive

Hi-Temp Spray Adhesive provides high strength adhesion and bonds a wide variety of materials, including trims, foams, fabrics and more.

- Dries quickly & clear
- Forms a water-resistant bond
- High temperature resistant up to 160°F (71°C)
- High bonding strength for many materials

Part #	Description
010490	10 oz can (12 per master carton)



NOTE: Ideal for adhering DEI Heat Screen (part # 010401) and various Boom Mat under carpet products

Boom Mat™ Banner

Measuring a full 48"x 24", these heavy mil vinyl banners have brass eyelets in each corner.

Part #	Description
060504	Boom Mat Banner



Racing Theme Sunglasses

These popular wrap style sunglasses are made of high-impact resistant acrylic lenses and provide 100% UV protection along with their stylish design. Each has a different racing theme flame design on each temple.

Part #	Description
070202	Black Frame w/Smoke Color Lens
070203	Red Flame Aluminum-look Frame w/Colored Mirror Lens
070204	Red & Orange Flame Aluminum-look Frame w/Blue Mirror Lens



T-Shirts - DEI™ - CryO2™ Ny-Trex™ - Boom Mat™

Choose from DEI "Flames" on back, CryO2 "The Power of Cool", the sinister Ny-Trex image or the new Boom Mat "Thermal Acoustic Control" design T-shirts-each is bound to draw some attention. These high quality T-shirts are made of 100% cotton and are pre-shrunk.

DEI		CryO2	
Part #	Description	Part #	Description
070100	Small	070110	Small
070101	Medium	070111	Medium
070102	Large	070112	Large
070103	X-Large	070113	X-Large
070104	XX-Large	070114	XX-Large
070105	XXX-Large		
Ny-Trex		Boom Mat	
Part #	Description	Part #	Description
070120	Small	070130	Small
070121	Medium	070131	Medium
070122	Large	070132	Large
070123	X-Large	070133	X-Large
070124	XX-Large	070134	XX-Large
		070135	XXX-Large
		070136	4X-Large
		070137	5X-Large



Cap - CryO2™ / DEI™

Black CryO2 or DEI embroidered cap. One size fits all with fabric tuck-in adjustment strap.

Part #	Description
070300	CryO2 Cap
070301	DEI Cap



Thermal Tuning Plan-O-Grams

We have taken the fastest moving products and bundled them into attractive Plan-O-Grams that can get you into the thermal tuning business with one simple part number. By ordering a Plan-O-Gram, you also earn a "preferred jobber/retailer" status with DEI, which means when a customer in your area calls they will be directed to you first. You will also be added to DEI's "Store Finder" page on the website. Each Plan-O-Gram comes with a FREE header card, banner and a supply of catalogs.

Description	Part #	A*	B*	C*	D*	E*
1" x 50' Exhaust Wrap Tan	010101			2	1	
2" x 50' Exhaust Wrap Tan	010102	4	2	2	2	2
2" x 15' Exhaust Wrap Tan	010106				1	
1" x 50' Exhaust Wrap Black	010107				1	
2" x 50' Exhaust Wrap Black	010108				2	
2" x 15' Exhaust Wrap Black	010121				1	
S.S. Locking Ties 8"	010201	2	1	2	2	1
S.S. Locking Ties 14"	010202	2	1	2	2	1
Black HT Silicone Coating	010301				2	1
Aluminum HT Silicone Coating	010302				2	1
Turbo Insulation Kit	010113			1		
Heat Screen	010401			1		
Versa-Shield Universal Heat Shield	010402	2	1	1	1	1
Heat Sheath Aluminized Sleeve	010403	2	1	1	1	1
Heat Shroud Aluminized Sleeve	010405				1	1
Cool-Tube 3/4" I.D. x 3ft.	010406			1		
Cool-Tape 1-3/8" x 15ft.	010408	2	1	1	1	1
Cool-Tube 1/2" I.D. x 3ft.	010414		2	1		
Cool-Cover Air-Tube Cover Kit	010417			1		
Heat Sheath 1-1/2" x 36"	010420			1		
Reflect-A-Cool Reflective Matting	010461					1
Protect-A-Boot 6" Silver (2pk)	010501	4	4	2	4	4
Protect-A-Boot 6" Black (2-pk)	010511			2		
Protect-A-Boot 6" Red (2-pk)	010521			2		
Protect-A-Boot 6" Blue (2-pk)	010531			2		
Protect-A-Wire Silver - 2 cyl kit	010601			2		
Protect-A-Wire Black - 2 cyl kit	010611			2		
Protect-A-Wire Red - 2 cyl kit	010621			2		
Protect-A-Wire Blue - 2 cyl kit	010631			2		
Lite'N Boltz License Plate Kit	030301			1		
Radiator Relief 32 oz.	040104	2		3		
Floor and Tunnel Shield-II 2ft. x 21"	050501			1		
Speed Tape Blue 2" x 90ft.	060104	1				
Speed Tape Yellow 2" x 90ft.	060105	1				
Speed Tape Checker-board 2" x 40ft.	060202	1				

Plan-O-Grams

Part #	Description
010150	Plan-O-Gram A*
010151	Plan-O-Gram B*
010152	Sport Compact C*
010155	Plan-O-Gram D*
010156	Start-Up Kit E*

NOTE: (Plan-O-Gram D Shown) Includes free grid panel, hooks, stand-free legs, wall mounting brackets and stock out cards



Speed Tape Display

Each point-of-purchase display ships with 18 rolls of Speed Tape in its own shipping carton and ideal for countertop and shelf placement.

- Includes two rolls each of the fastest moving colors
- Measures only 13" L x 15-1/2" W
- Includes display header card

Part #	Description
060100	Speed Tape Display w/ 18 rolls



Design Engineering Banners

Measuring a full 48" x 24", these heavy mil vinyl banners have double-stitched edges for added durability and brass eyelets in each corner for secure mounting.

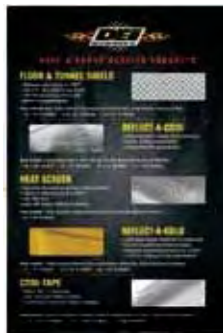
Part #	Description
060500	Yellow DEI Banner
060501	4 Color DEI Banner
060502	Ny-Trex Banner
060504	Boom Mat Banner



Design Engineering Retail Product Display Boards

Design Engineering now offers four product display boards to help promote DEI heat protection & Boom Mat thermal acoustic control products to help increase sales! Using a combination of actual product samples and detailed product images, each board provides the ability to actually see and touch the product which can have a crucial influence on the ultimate buying decision.

- High impact eye-catching graphics
- Each measures 12" x 18"
- Easel-backed for countertop display
- Ability to hang on slatwalls & pegboards
- Key where-to-use bullet points & part numbers



Part #	Description
060600	Exhaust & Accessories
060601	Heat and Sound Barrier
060602	Line and Hose Protection
060603	Boom Mat Thermal Acoustic Control

Electronic Media

Whether customers are searching for product information, installation help or to find their nearest DEI dealer, DesignEngineering.com has all the information to help a customer make their buying decision easy.

DesignEngineering.com continues to average well over one million visitors every month and that number continues to grow. New Website content is continually being added with updated and downloadable information, images and the latest in Design Engineering news. DesignEngineering.com can be translated into more than 10 different languages.



Broadcast Media

Reaching millions of potential DEI customers using electronic media is a powerful tool and Design Engineering will continue to take part in this effort to reach the masses. By advertising on national cable programs, DEI has the ability to reach more than 7 million enthusiast viewers each weekend. Cable TV value-added in-program how to's, product installations and new product introduction segments will remain an important element in presenting Design Engineering to cable TV viewers.





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